

Result No.	Score	Query Match	Length	DB ID	Description	SUMMARIES	
1	44	4.1	7218	1	US-08-732-433-14	Sequence 14, Appl	%
C 2	41	3.8	7218	1	US-08-732-433-14	Sequence 14, Appl	
C 3	34	3.2	654	4	US-08-756-179A-613	Sequence 613, Appl	
C 4	33	3.1	2127	4	US-09-952-919A-8192	Sequence 8192, Appl	
C 5	33	3.1	2874	4	US-09-252-919A-8112	Sequence 8112, Appl	
C 6	32.8	3.1	443765	3	US-09-103-840A-2	Sequence 2, Appl	
7	32.2	3.0	2406	4	US-09-632-98-5	Sequence 5, Appl	
8	32.2	3.0	2439	4	US-09-632-08-6	Sequence 6, Appl	
9	31.4	2.9	441529	3	US-09-103-840A-1	Sequence 1, Appl	
10	31	2.9	3842	4	US-09-976-279	Sequence 279, Appl	
11	30.6	2.9	412	3	US-08-961-083-111	Sequence 111, Appl	
12	30.6	2.9	412	4	US-09-736-111	Sequence 111, Appl	
C 13	30.6	2.9	894	4	US-09-540-236-1485	Sequence 1485, Appl	
C 14	30.6	2.9	912	4	US-09-489-019A-3905	Sequence 3905, Appl	
C 15	30.6	2.9	1288	4	US-09-620-12D-546	Sequence 546, Appl	
C 16	30.6	2.9	1648	4	US-09-833-181-2048	Sequence 2048, Appl	
C 17	30.6	2.9	6693	4	US-08-961-527-195	Sequence 195, Appl	
C 18	30.6	2.9	49617	4	US-09-596-002-28	Sequence 28, Appl	
19	30.4	2.8	2172	1	US-07-982-712-1	Sequence 1, Appl	
C 20	30.4	2.8	7766	4	US-09-125-619-3	Sequence 3, Appl	
C 21	30.4	2.8	58073	4	US-08-145-22D-1	Sequence 1, Appl	
C 22	30.2	2.8	801	3	US-08-998-416-436	Sequence 436, Appl	
C 23	30.2	2.8	1553	3	US-09-217-190-1	Sequence 1, Appl	
24	30.2	2.8	2396	4	US-09-221-017B-74	Sequence 74, Appl	
25	30.2	2.8	23673	4	US-09-773-816-1	Sequence 1, Appl	
26	30	2.8	364	4	US-09-023-55-289	Sequence 289, Appl	
27	30	2.8	536	3	US-08-714-918-57	Sequence 57, Appl	

REGISTRATION NUMBER: 46,789
 REFERENCE/DOCKET NUMBER: PR248P1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (240) 314-1224
 INFORMATION FOR SEQ ID NO: 613:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 654 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double

SEQUENCE DESCRIPTION: SEQ ID NO: 613:
 US-08-956-11E-613

Query Match 3.2%; Score 34; DB 4; Length 654;
 Best Local Similarity 48.0%; Pred. No. 0.61;
 Matches 97; Conservative 0; Mismatches 105; Indels 0; Gaps 0;
 Qy 472 ATGGTCAAAATCTGATGAAAGAAAACGTAAACGACTCTAACAGTGTAGTATAAGAC 531
 Db 455 ATTACGCAATGATGATAAGACATAGATAAAAGAATAGCTTAAATGCC 396
 Qy 532 ATAAGGGACGGCGTTAGCGTCCCTCGGTTAGCTCCAATGCCAACAAAGATC 591
 Db 395 TTAGGATAGACTTTAGGGCATCTGATTCACCGACTACTCTCTGTAA 336
 Qy 592 GAACTTCCGCAAGCTCGGCATCATCACCTGGCTCAAGACTCTGCCAAAGGAATG 651
 Db 335 CCACCAACCGAAAATCGGGCACTAAATAGCCCTAAGAAACAGAGATACCCAAACA 276
 Qy 652 TATCCGATGGGGCTATTCCAT 673
 Db 275 AACGTTGCTTGGCTTGTGT 254

RESULT 4

US-09-252-991A-8192
 Sequence 8192, Application US/09252991A
 ; Patent No. 6551795
 GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252,991A.
 ; PRIORITY FILING DATE: 1998-02-18
 ; PRIORITY APPLICATION NUMBER: US 60/074,788
 ; PRIORITY FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO: 8192
 ; LENGTH: 2127

Query Match 3.1%; Score 33; DB 4; Length 2127;
 Best Local Similarity 49.2%; Pred. No. 2.5;
 Matches 87; Conservative 0; Mismatches 90; Indels 0; Gaps 0;
 Qy 111 CCAAGTAAATCCACAGTGTCTGGAGCCAAAGGCCGCGGTGATGCCGTTTC 170
 Db 70 CCAAGTGGAAACAGTGGACGGCTTATAGCAAGCCACCGAGGCCCTGAGCACC 129

RESULT 5

US-09-252-991A-8112/c
 Sequence 8112, Application US/09252991A
 ; Patent No. 6551795
 GENERAL INFORMATION:
 ; APPLICANT: Marc J. Rubenfield et al.
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 ; FILE REFERENCE: 107196.136
 ; CURRENT APPLICATION NUMBER: US/09/252,991A.
 ; PRIORITY FILING DATE: 1998-02-18
 ; PRIORITY APPLICATION NUMBER: US 60/074,788
 ; PRIORITY FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142
 ; SEQ ID NO: 8112
 ; LENGTH: 2874
 ; TYPE: DNA
 ; ORGANISM: Pseudomonas aeruginosa
 ; FEATURE:
 ; NAME/KEY: unsure
 ; LOCATION: (266)
 ; OTHER INFORMATION: Identity of nucleotide at the above locations are unknown.
 US-09-252-991A-8112

Query Match 3.1%; Score 33; DB 4; Length 2874;
 Best Local Similarity 49.2%; Pred. No. 2.9;
 Matches 87; Conservative 0; Mismatches 90; Indels 0; Gaps 0;
 Qy 111 CCAAGTAAATCCACAGTGTCTGGAGCCAAAGGCCGCGGTGATGCCGTTTC 170
 Db 2487 CCAAGTGGACGGCTTATAGCAAGCCACCGAGGCCCTGAGCACC 2428
 Qy 171 AATGCTTCTAGCTCCACCGTCTTCAGAGACCCATTGAAAGAGCTTGACTAAAGA 230
 Db 2427 AATACCGGACCCGGATCGCGATAACAGAAACCCCTGAAAGGGCGGAGCGCC 2368
 Qy 231 CCGTCACACGAAAGGTGAAGGAAGGAAATGGATGCCACGTGTGC 287
 Db 2367 TCGTGTCTCGAAAGACTTCATGCGAGAAATCCACCTGAAACGAGGGC 2311

RESULT 6

US-09-103-840A-2
 Sequence 2, Application US/09103840A
 ; Patent No. 6294328
 GENERAL INFORMATION:
 ; APPLICANT: FLEISCHMAN, Robert D.
 ; NAME/KEY: WHITE, Owen R.
 ; LOCATION: VENTER, John C.
 ; OTHER INFORMATION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM

FILE REFERENCE: 24366-20007.00
 CURRENT APPLICATION NUMBER: US/09/103, 840A
 ; NUMBER OF SEQ ID NOS: 2
 ; SEQ ID NO: 2
 ; LENGTH: 4403765
 ; TYPE: DNA
 ; ORGANISM: Mycobacterium tuberculosis
 ; FEATURE:
 ; OTHER INFORMATION: CDC 1551
 ; OTHER INFORMATION: "n" bases at various positions throughout the sequence
 ; OTHER INFORMATION: represent a, t, c or g
 US-09-103-840A-2

Query Match 3.1%; Score 32.8; DB 3; Length 4403765;
 Best Local Similarity 59.8%; Pred. No. 96; Indels 0; Gaps 0;
 Matches 55; Conservative 0; Mismatches 37; Indels 0; Gaps 0;

Qy 133 CTCGAGCCAAAGGGGAGCCGGTGTATGCCGTCTTCAATGCTCTTAAAGCTTCAACCGCTCT 192
 Db 3941480 CTGGCGGACAAAGGGCGGCCGGGGCTGGCTGCCGCGCATAAACCCACCGCCTA 3941539
 Qy 193 TCGACAGGGACCAATTGAAAGAGCTTGAC 224
 Db 3941540 TCGacGGCACCGGGTGCACGGCACCGGC 3941571

RESULT 7
 US-09-632-098-5
 Sequence 5, Application US/09632098
 GENERAL INFORMATION:
 SEQ ID NO: 6420154
 APPLICANT: Sheppard, Paul O.
 PATENT NO.: 6420154
 APPLICANT: Bishop, Paul D.
 APPLICANT: Baird, Nand
 TITLE OF INVENTION: MAMMALIAN ADHESION PROTEASE PEPTIDES
 CURRENT APPLICATION NUMBER: US/09/632,098
 FILE REFERENCE: 99-39
 CURRENT FILING DATE: 2000-08-02
 NUMBER OF SEQ ID NOS: 26
 SEQ ID NO: 5
 LENGTH: 2406
 TYPE: DNA
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Degenerate sequence
 NAME/KEY: misc_feature
 LOCATION: (1)...(2439)
 OTHER INFORMATION: n = A,T,C or G
 US-09-632-098-6

Query Match 3.0%; Score 32.2; DB 4; Length 2439;
 Best Local Similarity 59.2%; Pred. No. 4.9;
 Matches 82; Conservative 47; Mismatches 197; Indels 0; Gaps 0;

Qy 637 CTGGCGCAAGGAAATGATGTTCCGATGGGTATCCGATCAAACGATGATTCCGACGGTC 696
 Db 1016 CNGNGNCNAATGCGNCAYGARATHGGNCAYWNSNCAYWNGNYTNNGNYTNNSNCAYG 1075
 Qy 697 GGAGCTTTCTCTGATTCCACAAATTCGCTGGTCCGAAATCAGCTAGTTAGTCTAGT 756
 Db 1076 GNTGTGTYGTTGNGARCGNGCNGNARWSNGNGNTGTYGNTATGGCNGNCNAENGNC 1135
 Qy 757 TTTCCGGCCGCCGCTGCTTACGCTGCTTACGCTGCTTACAGCTCCACG 816
 Db 1136 AYCCNTTYCNCNGNCTTWSNGCNTGWSNMGNNGNCARYTNNGCNTTYTNGMNA 1195
 Qy 817 ATGGCTTAGACCACTCTTACAAGTGTCTTACAAGTGTCTTACAAGTGTCTTACAAGT 876
 Db 1196 ARGNGNGNGNGCNGNTGTYTNNSAAYGNCNCNGAATCCNGNTNCCNGCN 1255
 Qy 877 GTTGGGGTTGAAATTATCAGAGCGACCTGGTTATGGCTCCGAGCTCAGCTAGGC 936
 Db 1256 TNTGCGNAAYGGNTTYGTTGNGARGGNGARGARTGTYGATGTYGNCAC 1315
 Qy 937 GAAACACCGSTAGTCATCGTCAA 962
 Db 1316 GYMNGAYYTNTGTYGTTGCGNCA 1341

RESULT 9
 US-09-103-840-A-1
 Sequence 1, Application US/09103840A
 Patent No. 6294328
 GENERAL INFORMATION:
 APPLICANT: FUEISCHMAN, Robert D.
 APPLICANT: WHITE, Owen R.
 APPLICANT: VENTER, John C.
 APPLICANT: CLAIRE M.
 APPLICANT: FRASER, Claire M.
 TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
 CURRENT APPLICATION NUMBER: US/09/103,840A
 CURRENT FILING DATE: 1998-06-24
 NUMBER OF SEQ ID NOS: 2
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO: 1
 LENGTH: 4411529
 TYPE: DNA
 ORGANISM: Mycobacterium tuberculosis
 OTHER INFORMATION: H37Rv
 US-09-103-840-A-1
 Sequence 6, Application US/09632098
 Patent No. 6420154
 GENERAL INFORMATION:

RESULT 8
 US-09-032-098-6
 Sequence 6, Application US/09632098
 Patent No. 6420154
 GENERAL INFORMATION:

Query Match 2.9%; Score 30.6; DB 4; Length 412;
 Best Local Similarity 53.8%; Pred. No. 6.2;
 Matches 63; Conservative 0; Mismatches 54; Indels 0; Gaps 0;

Qy 798 TGTGTAACAGCTTCCACCATGGTAGACACCTCTTACAGTTGTTCCAAGCAGGG 857
 Db 177 TGTCAATCGCTCTTATGTTGACTGCTCCAGACCCTTTCAAGGGGG 236
 Qy 858 CTTGTATCGTTTACAGCTTACGGTTAGGGTGAATTATAGAGCAGCTGGTTAT 914
 Db 237 CTTGTCTACGGCTTATGCTGGCTGTGAGGTGCTTAT 293

RESULT 13 US-09-540-2346-1485/C

Sequence 1485, Application US/09540236

GENERAL INFORMATION:
 APPLICANT: Gary L. Breton et al.
 TITLE OF INVENTION: NUCLEARIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CATAR
 FILE REFERENCE: 2709 2005-001
 CURRENT APPLICATION NUMBER: US/09/540,236
 CURRENT FILING DATE: 2000-04-04
 NUMBER OF SEQ ID NOS: 3840
 SEQ ID NO 1485
 LENGTH: 894
 TYPE: DNA
 ORGANISM: M.catarrhalis
 US-09-540-2346-1485

Query Match 2.9%; Score 30.6; DB 4; Length 894;
 Best Local Similarity 46.8%; Pred. No. 9.5;
 Matches 96; Conservative 0; Mismatches 109; Indels 0; Gaps 0;

Qy 432 AACCTTAAATCCGAGCAGCAAGCTGATTCGTATGGTGAATCTGTGAA 491
 Db 297 ATCTTAACTTACAGCTTCCGATCTGGCAAGCTGATATACGGCTCATGATATTTC 238
 Qy 492 GAAGAAAGCTAAACGACCTCTTACAGTGTATAGACATAAGCAGCTGGTTCA 551
 Db 237 AGAAAAATCTGCAAAAGCTCTTACGGATATATCCACCACTCAGGATGTGGCAGACC 178
 Qy 552 TTCTCCCGTTTACGAGCAACGTTCCACCTCGCAAGCTGTC 611
 Db 177 ATTATCCACTGTTTATAATGTTGATGCTCAAGCTCATTTAAATTAT 118

Query Match 2.9%; Score 30.6; DB 4; Length 636
 Best Local Similarity 55.0%; Pred. No. 12;
 Matches 60; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

Qy 612 ATCATCCACTGCTCCAAATGCTCAAGCTTCAAGCTTAAATTAT 118
 Db 117 ATCAGCAAAGGGCTTCTTAAGT 93

RESULT 14 US-09-489-039A-3905/C

Sequence 3905, Application US/09489039A

GENERAL INFORMATION:
 APPLICANT: Gary Breton et. al.
 TITLE OF INVENTION: NUCLEARIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
 TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
 FILE REFERENCE: 2709 2004-001
 CURRENT FILING DATE: 2000-01-27
 PRIOR APPLICATION NUMBER: US/09/489, 039A
 PRIOR FILING DATE: 1999-01-29
 NUMBER OF SEQ ID NOS: 14342
 SEQ ID NO 3905
 LENGTH: 912
 TYPE: DNA
 ORGANISM: Klebsiella pneumoniae
 US-09-489-039A-3905

Search completed: August 7, 2004, 06:55:43
 Job time : 98.2347 secs

RESULT 15 US-09-620-312D-546/C

Sequence 546, Application US/09620312D

GENERAL INFORMATION:
 PATENT NO. 6569652
 APPLICANT: Tang, Y. Tom
 APPLICANT: Liu, Cheghua
 APPLICANT: Asundi, Vinod
 APPLICANT: Zhang, Jie
 APPLICANT: Ren, Feiyan
 APPLICANT: Chen, Rui-hong
 APPLICANT: Zhao, Qing A.
 APPLICANT: Wehrman, Tom
 APPLICANT: Xue, Aidong J.
 APPLICANT: Yang, Yonghong
 APPLICANT: Wang, Jian-Rui
 APPLICANT: Zhou, Ping
 APPLICANT: Ma, Yunqing
 APPLICANT: Wang, Dunrui
 APPLICANT: Wang, Zhiwei
 APPLICANT: John Tillinghast
 APPLICANT: Drmanac, Radivoje T.
 TITLE OF INVENTION: No. 6569662-1 Nucleic Acids and
 TITLE OF INVENTION: No. 6569662-1 Nucleic Acids and
 FILE REFERENCE: 784C1P2B
 CURRENT APPLICATION NUMBER: US/09/620,312D
 CURRENT FILING DATE: 2000-07-19
 PRIOR APPLICATION NUMBER: 09/552,317
 PRIOR FILING DATE: 2000-04-25
 PRIOR APPLICATION NUMBER: 09/488,725
 PRIOR FILING DATE: 2000-01-21
 NUMBER OF SEQ ID NOS: 1105
 SOFTWARE: pt_FL_genes Version 1.0
 SEQ ID NO 546
 LENGTH: 1288
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: CDS
 LOCATION: (95)..(928)
 US-09-620-312D-546

Query Match 2.9%; Score 30.6; DB 4; Length 1288;
 Best Local Similarity 55.0%; Pred. No. 12;
 Matches 60; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

Qy 7 ACATTCAAGCTGAGAAGTGCAGCTTCAAGATCAACCTAAGTCGATCTAAGGCCGTTGATCTA 66
 Db 439 ATACCTGCACTCCACCTCCACGTTTGCCTCCACATGTTCTGATCTGTCATCAA 380
 Qy 67 ACCATCATCAACGGCTGAGAAAGTCGAACACTCAAGCTTCCAAG 115
 Db 379 ATCATTATCAAGGATCTGGATCTCAAATTTACTGTCCTCAAG 331

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OM nucleic - nucleic search, using sw model

Run on: August 7, 2004, 06:40:17 ; Search time 512.895 Seconds (without alignments)

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Title: US-09-938-842A-1034

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Searched: 3222919 seqs, 2451570024 residues

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Minimum DB seq length: 0

Maximum DB seq length: 2000000000

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17: /cgnd_6/ptodata/1/pubpna/US10C_PUBCCOMB.seq:*

18: /cgnd_6/ptodata/1/pubpna/US60_NEW_PUBCCOMB.seq:*

19: /cgnd_6/ptodata/1/pubpna/US60_PUBCCOMB.seq:*

RESULT 1

1: Sequence 1034, Application US/09938842A.

Patent No. US20020160378A1

GENERAL INFORMATION:

APPLICANT: Harper, Jeff

APPLICANT: Kreps, Joel

APPLICANT: Wang, Xun

APPLICANT: Zhu, Tong

TITLE OF INVENTION: STRESS REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING FILE REFERENCE: SCRIP1300-3

CURRENT APPLICATION NUMBER: US/09/938,842A

PRIOR APPLICATION NUMBER: US/09/938,842A

CURRENT FILING DATE: 2001-08-24

PRIOR FILING DATE: 2000-08-24

PRIOR APPLICATION NUMBER: US/09/938-842A-1034

PRIOR FILING DATE: 2001-01-16

PRIOR APPLICATION NUMBER: US/09/938-842A-1034

PRIOR FILING DATE: 2001-06-22

NUMBER OF SEQ ID NOS: 5379

SEQ ID NO: 1034

LENGTH: 1071

TYPE: DNA

ORGANISM: Arabidopsis thaliana

US-09-938-842A-1034

Query Match 100.0% Score 1071; DB 9; Length 1071;

Best Local Similarity 100.0% Pred. No. 0;

Matches 1071; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 ATGGCGACATTCAAGCTTGAAGAATTCAAGCTTCAAGCCGTT 60

1 ATGGCGACATTCAAGCTTGAAGAATTCAAGCTTCAAGCCGTT 60

QY 1 ATGGCGACATTCAAGCTTGAAGAATTCAAGCTTCAAGCCGTT 60

Db 1 ATGGCGACATTCAAGCTTGAAGAATTCAAGCTTCAAGCCGTT 60

QY 61 GATCTAACCACTCATCATCAAACGGCTGCAAAACCTTCCAAAGTAAAT 120

Summaries

* Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Result No.	Score	Query Match	Length	DB ID	Description
1	1071	100.0	1071	9	Sequence 1034, Ap
2	1071	100.0	1071	1.1	Sequence 1034, Ap
C 3	448	41.8	460	9	Sequence 1034, Ap
C 4	439	41.0	453	9	Sequence 502, App
5	228.6	21.3	1847	13	Sequence 615, App
6	185	17.3	185	9	Sequence 10977, App
7	183.6	17.1	1090	13	Sequence 257, App
8	157.8	14.7	1176	13	Sequence 8512, App
9	145.2	13.6	1113	13	Sequence 14514, A
10	138	12.9	1594	13	Sequence 43654, A
11	129	12.0	1519	13	Sequence 63504, A
12	129	12.0	1728	16	Sequence 1405, A
13	129	12.0	1728	16	Sequence 165, App
14	129	12.0	1728	16	Sequence 219, App

61 GATCTAACATCAACCGGTAGAAACGTCAAACTCAAGACCTTCCAGTAAAT 120
 121 CCCAGTGAGTCTGAGGCCAACGGCCGCCGTGATGCCGTCTTCAATGTCTTA 180
 QY 121 CCCAGTGAGTCTGAGGCCAACGGCCGCCGTGATGCCGTCTTCAATGTCTTA 180
 Db 181 GCTCCACGCTTCAGAGGACCATTTGAGAGAGCTCGATAAACCGTCACG 240
 Db 181 GCTCCACGCTTCAGAGGACCATTTGAGAGAGCTCGATAAACCGTCACG 240
 QY 241 AAGGGTGAAGGAAGGGAAAGGATACCGATGCCACGTGCGCTAGATTCT 300
 QY 241 AAGGGTGAAGGAAGGGAAAGGATACCGATGCCACGTGCGCTAGATTCT 300
 Db 301 CAATTAATCCAGACTTACGTACAATCGAGAACGATTCGGTGTGGAG 360
 QY 301 CAATTAATCCAGACTTACGTACAATCGAGAACGATTCGGTGTGGAG 360
 Db 361 AACGTCAGGGGATTATAGCCGCCACCGTAAGGAAACGGTTCCGCCATGCCAAG 420
 QY 361 AACGTCAGGGGATTATAGCCGCCACCGTAAGGAAACGGTTCCGCCATGCCAAG 420
 Db 420 AACGTCAGGGGATTATAGCCGCCACCGTAAGGAAACGGTTCCGCCATGCCAAG 420
 QY 421 TCGGTTAACGAACTTAAATCCGAAACGAGAACCGTGTGAA 480
 Db 421 TCGGTTAACGAACTTAAATCCGAAACGAGAACCGTGTGAA 480
 QY 481 AATCTGATGAGAAAGAAACCTTAAACGACTCTTAAACAGTGAGTATAAACGAC 540
 Db 481 AATCTGATGAGAAAGAAACCTTAAACGACTCTTAAACAGTGAGTATAAACGAC 540
 QY 541 GCGTTTCAAGTTCTCCGTTAGCTCAATTGCCAACGAGAACGATCCG 600
 Db 541 GCGTTTCAAGTTCTCCGTTAGCTCAATTGCCAACGAGAACGATCCG 600
 QY 541 GCGTTTCAAGTTCTCCGTTAGCTCAATTGCCAACGAGAACGATCCG 600
 Db 601 CAAGCTCTGGATCATCCACTGCTGGTCAAGAACGATCCG 660
 Db 601 CAAGCTCTGGATCATCCACTGCTGGTCAAGAACGATCCG 660
 QY 661 TGGGCTATCCATCAAACGCAATGATGCTCCAGGGTCCGGAGTTCCTGATTCCAA 720
 Db 661 TGGGCTATCCATCAAACGCAATGATGCTCCAGGGTCCGGAGTTCCTGATTCCAA 720
 QY 721 ATCGCTGGTCCGTCGATCAATCGAGCTCTAGTCTTCCGGCCGCTGCG 780
 Db 721 ATCGCTGGTCCGTCGATCAATCGAGCTCTAGTCTTCCGGCCGCTGCG 780
 QY 841 GTTGTCAAGAGGGTTGATGGTTCAAGCTTACGGTTAGGGTCAAGA 900
 Db 841 GTTGTCAAGAGGGTTGATGGTTCAAGCTTACGGTTAGGGTCAAGA 900
 QY 781 TCGCTTAAGTGGCTGTTCAACAGCTCCAGATGGCTGACCACTTCTTACA 840
 Db 781 TCGCTTAAGTGGCTGTTCAACAGCTCCAGATGGCTGACCACTTCTTACA 840
 QY 901 GCGACGCTGGTATGGCTCCGAGCTCAAGCTCAACCGTGTGTCATCTCA 960
 Db 901 GCGACGCTGGTATGGCTCCGAGCTCAAGCTCAACCGTGTGTCATCTCA 960
 QY 961 ATTGCAACAAAGCACCACAGCTGAGACTCTCCCTAGAGATAACAGAAACAA 1020
 Db 961 ATTGCAACAAAGCACCACAGCTGAGACTCTCCCTAGAGATAACAGAAACAA 1020
 QY 1021 GAGCTTCAACAGTCAAGCTAGGACCAACAGACGGTCACTCCACCTGA 1071
 Db 1021 GAGCTTCAACAGTCAAGCTAGGACCAACAGACGGTCACTCCACCTGA 1071

US-09-938-842a-1034.rnpb

; APPLICANT: Kreps, Joel
 ; APPLICANT: Wang, Kun
 ; APPLICANT: Zhu, Tong
 ; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
 ; TITLE OF INVENTION: SAME, AND METHODS OF USE
 ; FILE REFERENCE: SCRIP1300-3
 ; CURRENT APPLICATION NUMBER: US 09/938,842A
 ; PRIOR APPLICATION NUMBER: US 60/227,866
 ; PRIOR FILING DATE: 2001-08-24
 ; PRIOR FILING DATE: 2000-08-24
 ; PRIOR APPLICATION NUMBER: US 60/264,647
 ; PRIOR FILING DATE: 2001-01-16
 ; PRIOR APPLICATION NUMBER: US 60/300,111
 ; PRIOR FILING DATE: 2001-06-22
 ; NUMBER OF SEQ ID NOS: 53/9
 ; SEQ ID NO: 1034
 ; LENGTH: 1071
 ; TYPE: DNA
 ; ORGANISM: Arabidopsis thaliana
 ; US-09-938-842a-1034
 ; Query Match 100.0%; Score 1071; DB 11; Length 1071;
 ; Best Local Similarity 100.0%; Pred. No. 0;
 ; Matches 1071; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 ATGGGACAACTTCAAGAAGCTTGAAGAAAGTGTGCGGAAAGATAACCTTAAGACCCGTT 60
 Db 1 ATGGGACAACTTCAAGAAGCTTGAAGAAGTGTGCGGAAAGATAACCTTAAGACCCGTT 60
 QY 61 GATCPAACATCATAAACGGCGTCTGAAAGCTGAAACTCAAGACCTTTCACAACTTAAGACCCGTT 60
 Db 61 GATCPAACATCATAAACGGCGTCTGAAAGCTGAAACTCAAGACCTTTCACAACTTAAGACCCGTT 60
 QY 121 CCCAACAGTGAATCTCAAGCTGAAAGCTGAAAGCTGAAACTCAAGACCTTTCACAACTTAAGACCCGTT 180
 Db 121 CCCAACAGTGAATCTCAAGCTGAAAGCTGAAAGCTGAAACTCAAGACCTTTCACAACTTAAGACCCGTT 180
 QY 181 GCTCACCGGTCTTCAGGACCAACATTGAGAGAGCTTGACTAAAGACGGTACAG 240
 Db 181 GCTCACCGGTCTTCAGGACCAACATTGAGAGAGCTTGACTAAAGACGGTACAG 240
 QY 241 AAGGTTCAAGGAAAGGGAAAGGATACGGATGCTGCCACGTTGGCTGAGATTTT 300
 Db 241 AAGGTTCAAGGAAAGGGAAAGGATACGGATGCTGCCACGTTGGCTGAGATTTT 300
 QY 300 CAATTAACTCGAGATGGTCAAGTAAATCCAGGACGCTTAACTCGAGATGGCTGAGATTTT 300
 Db 301 CAATTAACTCGAGATGGTCAAGTAAATCCAGGACGCTTAACTCGAGATGGCTGAGATTTT 300
 QY 361 AACGCTGAGCCGGTATAGCCGCAACGGTACGGAAACGGTCCGCAATGCCATG 420
 Db 361 AACGCTGAGCCGGTATAGCCGCAACGGTACGGAAACGGTCCGCAATGCCATG 420
 QY 481 ATTCTGATGAGAAAGCAGTAAACGCTTCAAGCTGAAACTTCTGAGTATAAGCTAAGC 540
 Db 481 ATTCTGATGAGAAAGCAGTAAACGCTTCAAGCTGAAACTTCTGAGTATAAGCTAAGC 540
 QY 541 GCGCTTCAAGCTGCTCCGGTTAGCTCAATGCCGCAATGCCCTCG 600
 Db 541 GCGCTTCAAGCTGCTCCGGTTAGCTCAATGCCGCAATGCCCTCG 600
 QY 601 CAAGCTTCAAGCTGCTCCGGTTAGCTCAATGCCGCAATGCCCTCG 600
 Db 601 CAAGCTTCAAGCTGCTCCGGTTAGCTCAATGCCGCAATGCCCTCG 600
 QY 661 TGGCTTATCCATCAAACGGCTTCAAGCTGCTCCGGTTAGCTCAATGCCCTCG 660
 Db 661 TGGCTTATCCATCAAACGGCTTCAAGCTGCTCCGGTTAGCTCAATGCCCTCG 660

RESULT 2
 US-09-938-842a-1034
 ; Sequence 1034, Application US 09/938842A
 ; Publication No. US20040009476A9
 ; GENERAL INFORMATION:
 ; APPLICANT: Harper, Jeff

Qy 721 ATCGCTGCGTCGAATCGCCTCAGTTAGCTTTCGGCTCGCG 780
 Db 721 ATCGCTGCGTCGAATCGCCTCAGTTAGCTTTCGGCTCGCG 780
 Qy 781 TCGTCTTACGTCGCGCTGTCACAGGCTTCCACGATGGCTAGACCACTTACAA 840
 Db 781 TCGTCTTACGTCGCGCTGTCACAGGCTTCCACGATGGCTAGACCACTTACAA 840
 Qy 841 GTGTTCCAGGAGCGGTTTGTATGGCTTCAAGCTTTCAGACGTTAGCGTTGAAATTATCGAA 900
 Db 841 GTGTTCCAGGAGCGGTTTGTATGGCTTCAAGCTTTCAGACGTTAGCGTTGAAATTATCGAA 900
 Qy 901 GCGACGTTGGTTATGGCTCCAGCTCAAGCTTCAAGCTTCAACCGGTTAGCTCATCGTCA 960
 Db 901 GCGACGTTGGTTATGGCTCCAGCTCAAGCTTCAAGCTTCAACCGGTTAGCTCATCGTCA 960

RESULT 3
 US-09-924-035A-502/c
 ; Sequence 502, Application US/09924035A
 ; Patent No. US20020142319A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Grilach, Jrrn
 ; TITLE OF INVENTION: Expressed Sequences of Arabidopsis
 ; TITLE OF INVENTION: thaliana
 ; FILE REFERENCE: 2011GS
 ; CURRENT APPLICATION NUMBER: US/09/924,035A
 ; CURRENT FILING DATE: 2000-08-11
 ; PRIOR APPLICATION NUMBER: US 60/148,784
 ; PRIOR FILING DATE: 1999-08-13
 ; NUMBER OF SEQ ID NOS: 900
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO: 502
 ; LENGTH: 460
 ; TYPE: DNA
 ; ORGANISM: Arabidopsis thaliana
 ; NAME/KEY: misc_feature
 ; LOCATION: (1) ... (460)
 ; OTHER INFORMATION: n = A, T, C or G

Qy 41 8%; Score 448; DB 9; Length 460;
 Best Local Similarity 99.6%; Pred. No. 3.1e-145;
 Matches 459; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

Db 600 GCAAGCTCTGGCATATCCRCCTGGCTCAAGCAACTTCTGCGRAGGATGATTCGAT 659
 460 GCAACCTCTGGCATATCCACTCGTGGCTCAAGCAACTTCTGCGRAGGATGATTCGAT 401

Qy 660 GTGGCTTATTCATCAAACCAATGATTCGGACCTTCTCTGATTCCACA 719
 400 GTGGCTTATTCATCAAACCAATGATTCGGACCTTCTCTGATTCCACA 341

Db 720 ATCGCTGCGTCGTGGAATAGCCCTCAGTTAGCTTTCGGCTGGCTGGCTGGCG 779
 340 ATCGCTGCGTCGTGGAATAGCCCTCAGTTAGCTTTCGGCTGGCG 282

Qy 780 GTCGCTTACGTCGCGCTGTCACAGGCTTCAAGCTAGCTGACCACTTCTTACA 839
 281 GTCGCTTACGTCGCGCTTCAAGGCTTCAAGCTAGCTGACCACTTCTTACA 222

Qy 840 AGTGTTCGAAGCAGGGCTTGTATCCGTTCAAGCTTAGCGGTTGAAATTATCGAA 899
 221 AGTGTTCGAAGCAGGGCTTGTATCCGTTCAAGCTTAGCGGTTGAAATTATCGAA 162

Qy 900 AGGGACGCTGGTTATGGCTCCGGACTAGCTTACGGGTAACAAACCCGCTAGTTCATCGTC 959
 Db 161 AGGGACGCTGGTTATGGCTCCGGACTAGCTTACGGGTAACAAACCCGCTAGTTCATCGTC 102

Qy 960 ATTGCAACAAACAGGCAACAGGCTTCAAGCTTCTCTGAGACTTCAAGATAACGAAACA 1019
 Db 101 ATTGCAACAAACAGGCAACAGGCTTCAAGCTTCTCTGAGACTTCAAGATAACGAAACA 42

Qy 1020 AGAGCTTACACGTTCTAGCTGACGACCAACAGACGGTCAT 1060
 Db 41 AGAGCTTACACGTTCTAGCTGACGACCAACAGACGGTCAT 1

RESULT 4
 US 09-770-44-615/c
 ; Sequence 615, Application US/09770444
 ; Patent No. US2002023280A1
 ; GENERAL INFORMATION:
 ; APPLICANT: An, Yong-Qiang
 ; APPLICANT: Gorlach, Jorn
 ; APPLICANT: An, Yong-Qiang
 ; APPLICANT: Hamilton, Carol M.
 ; APPLICANT: Price, Jennifer L.
 ; APPLICANT: Raines, Tracy M.
 ; APPLICANT: Yu, Yang
 ; APPLICANT: Rameka, Joshua G.
 ; APPLICANT: Page, Amy
 ; APPLICANT: Matthew, Abraham V.
 ; APPLICANT: Ledford, Brooke L.
 ; APPLICANT: Woessner, Jeffrey P.
 ; APPLICANT: Haas, William David
 ; APPLICANT: Garcia, Carlos A.
 ; APPLICANT: Krieger, Maja
 ; APPLICANT: Slader, Ted
 ; APPLICANT: Davis, Keith R.
 ; APPLICANT: Allen, Keith
 ; APPLICANT: Hoffman, Neil
 ; APPLICANT: Hurban, Patrick
 ; TITLE OF INVENTION: Expressed Sequences of Arabidopsis
 ; TITLE OF INVENTION: thaliana
 ; FILE REFERENCE: 2027 (PARA-016PRV)
 ; CURRENT APPLICATION NUMBER: US/09/770,444
 ; CURRENT FILING DATE: 2001-01-26
 ; PRIOR APPLICATION NUMBER: 60/178,502
 ; PRIOR FILING DATE: 2000-01-27
 ; NUMBER OF SEQ ID NOS: 999
 ; SEQ ID NO: 615
 ; LENGTH: 453
 ; TYPE: DNA
 ; ORGANISM: Arabidopsis thaliana
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: (1) ... (453)
 ; OTHER INFORMATION: n = A, T, C or G

Qy 607 CTGGATCATCCACTGGCTCAGCAACTTCTGGATGAGGAATGTTCTGGATGAGGA 666
 Db 453 CTGGATCATCCACTGGCTCAGCAACTTCTGGATGAGGAATGTTCTGGATGAGGA 394

Qy 667 ATTCCATCAAACGCTATGATTCTGGACTGGCTGGCTGGCTGGCTGGCTGGCTGGCT 726
 Db 393 ATTCCATCAAACGCTATGATTCTGGACTGGCTGGCTGGCTGGCTGGCTGGCTGGCT 334

Qy 727 GGTGGTGAATAGCCTCAGTTAGCTTTCGGCGCTGCTGCTGCTGCTGCTGCTGCT 786
 Db 333 GGTGGTGAATAGCCTCAGTTAGCTTTCGGCGCTGCTGCTGCTGCTGCTGCTGCT 275

RESULT 5

US-10-424-599-109777 ; Sequence 109777, Application US/10424599 ; Publication No. US2004031072A1 ; GENERAL INFORMATION: ; APPLICANT: La Rosa, Thomas J ; APPLICANT: Kovalic, David K ; APPLICANT: Zhou, Yinhua ; APPLICANT: Cao, Yongwei ; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With Title of Invention: Plants and Uses Thereof for Plant Improvement ; FILE REFERENCE: 38-21(53222)B ; CURRENT APPLICATION NUMBER: US10/424,599 ; CURRENT FILING DATE: 2003-04-28 ; NUMBER OF SEQ ID NOS: 285684 ; SEQ ID NO: 109777 ; LENGTH: 1847 ; TYPE: DNA ; ORGANISM: Glycine max ; OTHER INFORMATION: Clone ID: PAT_MRT3847_70141C.1 ; US-10-424-599-109777

Query Match 21.3%; Score 228.6; DB 13; Length 1847; Best Local Similarity 62.7%; Pred. No. 3.7e-68; Matches 398; Conservative 0; Mismatches 219; Indels 18; Gaps 2;

Qy 13.6 GAGGCCAAGGCGSAGCGGTGATGCCCTCGTTCAATGTCCTTAGTCCACCGTCTTCG 195

Db 32.9 GTCACCTGCCGCGGATGCTATCCGTCAGGTCAAGTCCACCGCCAGGCC 388

Qy 19.6 ACAGGACCACTTGAAGAGACTTCGACTAAAGACCGTCACAGGTTGAAGGAAGA 255

Db 38.9 CAGGCCAACCAAAACGGGACCTCCACCAAAAGCCACACCAAGTAGGGCGGA 448

Qy 25.6 GGGAGAAGGATAAGGATCCTGACCGTGTGGCTAGATTAACTCCAGAG 315

Db 44.9 GCGAGAAGGATCGAATGCCAACGGGACGGTCCAGCTGACCCAGAG 508

Qy 31.6 TTAGGTCAAAATCGAACGGAAACGATTCCGACGGTCAAGCTGAGCG 375

Db 50.9 CAGGTCATAAAATCGAGGCAAAACCTCCGACCAAGGAGGGCGGA 568

Qy 37.6 ATTATAGCCGCAAAATCGAACGGAAACGATTCCGACGGTCAAGCTGAGCG 435

Db 56.9 ATCATCGCGCAACCGGGACATCCCGCCACATCCGGCTCATGGACG 628

Qy 43.6 TTAAAAATCCGAGCACGACGAGCAACGTTGATGGCTAAATCTGATGAGAG 495

Db 62.9 TAAAGATTCGACCACTCACCTTCGATCAAGAACCCGGAGAGGGAG 688

Qy 49.6 AACGTAACGACCTCTAACGTGAGTATAGACATAA -- GCGAGCCGTTCAAGCT 552

RESULT 6

US-09-770-696-257 ; Sequence 257, Application US/09770696 ; Patent No. US200404940A1 ; GENERAL INFORMATION: ; APPLICANT: Gorlach, Jorn ; APPLICANT: An, Yong-Qiang ; APPLICANT: Hamilton, Carol M. ; APPLICANT: Price, Jennifer L. ; APPLICANT: Raines, Tracy M. ; APPLICANT: Yu, Yang ; APPLICANT: Rameka, Joshua G. ; APPLICANT: Page, Amy ; APPLICANT: Matthew, Abraham V. ; APPLICANT: Ledford, Brooke L. ; APPLICANT: Woessner, Jeffrey P. ; APPLICANT: Haas, William David ; APPLICANT: Garcia, Carlos A. ; APPLICANT: Krieger, Maji ; APPLICANT: Slader, Ted ; APPLICANT: Davis, Keith R. ; APPLICANT: Allen, Keith ; APPLICANT: Hoffman, Neil ; APPLICANT: Hurban, Patrick ; APPLICANT: Hoffmann, Patrick ; TITLE OF INVENTION: Expressed Sequences of Arabidopsis ; TITLE OF INVENTION: thaliana ; FILE REFERENCE: 2031US (PATA-020PRV) ; CURRENT APPLICATION NUMBER: US/09/770,696 ; PRIOR APPLICATION NUMBER: 2001-01-26 ; PRIOR FILING DATE: 2000-11-27 ; NUMBER OF SEQ ID NOS: 911 ; SOFTWARE: FastSEQ for Windows Version 4.0 ; SEQ ID NO: 257 ; LENGTH: 185 ; TYPE: DNA ; ORGANISM: Arabidopsis thaliana ; US-09-770-696-257

Query Match 17.3%; Score 185; DB 9; Length 185; Best Local Similarity 10.0%; Pred. No. 1.5e-53; Matches 185; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 35 GCAAGATCAAACTTAAGGGCGTTGATCAACCATCATCAACGGGTCAAAACGTCG 94

Db 1 GCGAGATCAAACTTAAGGGCGTTGATCAACCATCATCAACGGGTCAAAACGTCG 60

Qy 95 AACCTTCAGACCTTCAGTAATCCACAGTGAATCCACGTTGACTCTCGAGCCAAAGGGAGCGGG 154

Db 61 AACCTTCAGACCTTCAGTAATCCACGTTGACTCTCGAGCCAAAGGGAGCGGG 120

Qy 155 TGATGCCATCGTTTCATGCTTGTAGTCACCGTCTTCGACAGGACCAATGAGA 214

Qy

RESULT 8
US-10-425-114-14614
; Sequence 14614, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
SEQ ID NO 14614
LENGTH: 1176
; OTHER INFORMATION: Clone ID: LB23-065-D10_FLI
US-10-425-114-14614
; LENGTH: 1176;
Query Match 14.7%; Score 157.8; DB 13;
Best Local Similarity 75.9%; Pred. No. 1.5e-43;
Matches 195; Conservative 0; Mismatches 62;
Indels 0; Gaps 0;
Qy 195 GACGGACCATGAGAGAGCTGACTAAAGCGTACACCAAGGGTGAAGAAG 254
Db 278 GACTAAACCGCTCGAAGAGACCGACTCTAAAGCCTGACAGAAAGTGAAGAC 337
Qy 255 AGGGAAAGGATACGGATGGCTGCCAGCTGAGTTTCATTAAGCTGAGA 314
Db 338 AGGTGGAGATCCGATGGCTGCGGTTGGCTGCTGAGTAAAGCTGGAGA 314
Qy 315 GTTAGTCACAAATCCGACGGAAACGATTGGTGGAGAACGGTGAAGCGGC 374
Db 398 ACTTGGTCACAAATCCGACGGAAACGATGGTGGTTATGGAAAGCGGTGAACCGGC 457
Qy 375 GATATAGGCCACGGTAGGAAACGGTTCCCGCATTCGGTTAACCGAAC 434
Db 458 GATAATTGAGAACCGGAAACGGGAACGGAACTGTTAACGGTAACGGAAC 517
Qy 435 CTTAAAATCCGGACCA 451
Db 518 TTAAATAATCCGGACGA 534
RESULT 9
US-10-424-599-4-3464
; Sequence 43464, Application US/10424599
; Publication No. US2004031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 43464
LENGTH: 1113
; OTHER INFORMATION: unsure at all 11 locations
; NAME/KEY: (111)
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; LOCATION: (111)
; OTHER INFORMATION: unsure at all 11 locations

Db 121 TGATGCCGCTGGTTCAATGCTTCTAGCTCCACCGTCTTGAGTCACGAC 180
Qy 215 GAGCT 219
Db 181 GAGCT 185
RESULT 7
US-10-425-114-8512
; Sequence 8512, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
SEQ ID NO 8512
LENGTH: 1090
; OTHER INFORMATION: Clone ID: 700756889_FLI
US-10-425-114-8512
; LENGTH: 1090;
Query Match 17.1%; Score 183.6; DB 13;
Best Local Similarity 63.7%; Pred. No. 1.4e-52;
Matches 320; Conservative 0; Mismatches 164; Indels 18; Gaps 2;
Qy 269 GGATGCGCTGCCAGTGCGCTAGGATTTCAATTAACTCAGAGTTAGGTCAAT 328
Db 1 GATATGCCGCCACGTGCGGCCAGGATTTCCAGCTGACCCGAGGTGGTCAAT 60
Qy 329 CCCACGGAAAGATTCGGATGGTTGGAGACGCTGAGCTGGCGATTATAGCGCA 388
Db 61 CCCACGGAAACCATCCGGTGGCTCTCGAGCAGCCCATCATCGCGCA 120
Qy 389 CGGTACGGAAACGGTTCCGCCATCGGCACTGGCTAACGGAAACCTTAAATCCGA 448
Db 121 CCGCACCGGGCACAGTCCCGCCATCGGATGTCATGGACATGGTGGTAAAGTCCGA 180
Qy 449 CGACGACAAACGCTGATGGTGTGAAATCTGATGAGAGAAACGTAACGAC 508
Db 181 CCACCTACCTTCGATCAAGACGCCGAGGCCGAGAGCGAAACGAC 240
Qy 509 CTCTCTAACAGTGTGATATAGACATAA--TGACGCGCTTCACTCGGTTAG 565
Db 241 CGCGGAAATAGCGCTAACGGCATAAACGGGCCCGCGGTTGGCTGGCGGGCTG 300
Qy 566 CTCAATGCGACGAGCAAGATCCGAAACCTCGCAAGCTCTGGCATCATCCACTGTGG 625
Db 301 CAAGCTCTTATTAATATAATACCAAAACCGAACGATGAGAACGATGG 360
Qy 626 CTGAGGAACTTC-----TGCGCGAAGGAAATGATCCGATGTTGGCTTACGGTATGTTGGT 670
Db 361 CAATTGCCAAATACAGCAATTGGATGGATGGTCCGGTGTGGCATCC 420
Qy 671 CATCAATCGCAATGATGTCGGAGCTGGTCTTGTGTTGGTCTCAACGGGTGT 730
Db 421 CTTCAAGGCCGCTGGTGGAGGCTTGTGTTGGTCTCAACGGGTGT 480
Qy 731 CGTCGAACTAGCTCAGTTATT 752
Db 481 TTCAGCATCAACTGTTT 502

PRIOR APPLICATION NUMBER: 09/837, 944
 PRIOR FILING DATE: 2001-04-18
 PRIOR APPLICATION NUMBER: 60/710, 847
 PRIOR FILING DATE: 2001-08-09
 PRIOR APPLICATION NUMBER: 09/934, 455
 PRIOR FILING DATE: 2001-09-22
 PRIOR APPLICATION NUMBER: 60/736, 049
 PRIOR FILING DATE: 2001-11-19
 PRIOR APPLICATION NUMBER: 60/738, 692
 PRIOR FILING DATE: 2001-12-11
 PRIOR APPLICATION NUMBER: 10/171, 468
 PRIOR FILING DATE: 2002-06-14
 PRIOR APPLICATION NUMBER: 10/225, 066
 PRIOR FILING DATE: 2002-08-09
 PRIOR APPLICATION NUMBER: 10/225, 067
 PRIOR FILING DATE: 2002-08-09
 NUMBER OF SEQ ID NOS: 2906
 SOFTWARE: Patentin version 3.2
 SEQ ID NO: 219
 LENGTH: 1728
 TYPE: DNA
 ORGANISM: *Arabidopsis thaliana*
 FEATURE:
 OTHER INFORMATION: G1064
 US-10-374-780A-219

Query Match Score 129; DB 16; Length 1728;
 Best Local Similarity 71.0%; Pred. No. 2.3e-33;
 Matches 171; Conservative 0; Mismatches 70; Indels 0; Gaps 0;
 Db 420 GCGAGCTAAAGCAGGAGGAAAGGATTCGACTAAAGACCGTCACAGAAAGCTGA 479

Qy 189 GTCRTCGAACAGGACCATGATGAAGAGAGCTTCGACTAAAGACCGTCACAGAAAGCTGA 248
 Db 480 CGGAAGGGGGAGGAGATAAGGATACGGATGCTGCCACGTTGCGCTAGATTTCATTAAAC 539

Qy 249 AGGAAGAGGGAGAAGGATACGGATGCTGCCACGTTGCGCTAGATTTCATTAAAC 308
 Db 480 CGGAAGGGGGAGGAGATAAGGATACGGATGCTGCCACGTTGCGCTAGATTTCATTAAAC 539

Qy 309 TCGAGACTTAGCTCACATCGACGGCAAACGATTGCGTGGTGTGGAAAGCTGA 368
 Db 540 GCGAGAGCTAGCTCATATACTCGACCTGAGACAAATAGATGGCTCTCAACAAAGCTGA 599

Qy 369 GCGGGGATTAATAGGCCAACGGTACGGTACGGTACGGTACGGTACGGTAA 428
 Db 600 ACCATCTGTAATGCGCCACCGGAACAACTCCGGGAATTTCCTCTTAA 659

Qy 429 C 429
 Db 660 C 660

RESULT 15
 US-10-374-780A-1390
 ; Sequence 1390, Application US/10374780A
 ; Publication No. US/04001992A1

GENERAL INFORMATION:
 ; APPLICANT: Sherman, Bradley K
 ; APPLICANT: Riechmann, Jose Luis
 ; APPLICANT: Jiang, Cai-Zhong
 ; APPLICANT: Heard, Jacqueline E
 ; APPLICANT: Haake, Volker
 ; APPLICANT: Creedie, James
 ; APPLICANT: Ratcliffe, Oliver
 ; APPLICANT: Adam, Luc J
 ; APPLICANT: Reuber, T. Lynne
 ; APPLICANT: Keddie, James
 ; APPLICANT: Broun, Pierre E
 ; APPLICANT: Pilgrim, Marsha L
 ; APPLICANT: Dubell, III, Arnold T
 ; APPLICANT: Pineda, Omaira
 ; APPLICANT: Yu, Guo-Liang

; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS
 ; FILE REFERENCE: MBI-0047 CIP
 ; CURRENT APPLICATION NUMBER: US/10/374,780A
 ; CURRENT FILING DATE: 2003-02-25
 ; PRIOR APPLICATION NUMBER: 09/837, 944
 ; PRIOR FILING DATE: 2001-04-18
 ; PRIOR APPLICATION NUMBER: 60/730, 847
 ; PRIOR FILING DATE: 2001-08-09
 ; PRIOR APPLICATION NUMBER: 09/934, 455
 ; PRIOR FILING DATE: 2001-08-22
 ; PRIOR APPLICATION NUMBER: 60/736, 049
 ; PRIOR FILING DATE: 2001-11-19
 ; PRIOR APPLICATION NUMBER: 10/171, 468
 ; PRIOR FILING DATE: 2002-06-14
 ; PRIOR APPLICATION NUMBER: 10/225, 066
 ; PRIOR FILING DATE: 2002-08-09
 ; PRIOR APPLICATION NUMBER: 10/225, 067
 ; PRIOR FILING DATE: 2002-08-09
 ; PRIOR APPLICATION NUMBER: 10/171, 468
 ; PRIOR FILING DATE: 2002-06-14
 ; PRIOR APPLICATION NUMBER: 10/225, 066
 ; PRIOR FILING DATE: 2002-08-09
 ; PRIOR APPLICATION NUMBER: 10/225, 067
 ; PRIOR FILING DATE: 2002-08-09
 ; PRIOR APPLICATION NUMBER: 10/225, 068
 ; PRIOR FILING DATE: 2002-06-14
 ; NUMBER OF SEQ ID NOS: 2906
 ; SOFTWARE: Patentin version 3.2
 ; SEQ ID NO: 1390
 ; LENGTH: 671
 ; TYPE: DNA
 ; ORGANISM: *Lycopersicon esculentum*
 ; FEATURE:
 ; OTHER INFORMATION: Predicted polypeptide sequence is orthologous to G1064
 ; US-10-374-780A-1390

Query Match Score 119%; DB 16; Length 671;
 Best Local Similarity 68.5%; Pred. No. 4.6e-33;
 Matches 176; Conservative 0; Mismatches 81; Indels 0; Gaps 0;
 Qy 182 CTCCACCGTCCTGAGGACCCATTGAGAGGCTTCACAAAGACCGTCAACAGGA 241
 Db 272 CTACTGAGCTGCTAAAGCCAGCTCCAAAGAACATTCACAAAGACCGCACA 331

Qy 242 AGGTGAGGAAGGGAGGAGATAAGGATTCGCTTCCACCTGCGCTAGGATTTTTC 301
 Db 332 AGGTGATGGCTGGCAGAGTATACGTATGCCGCCCCCTTGTGTGCTAGGGTTTC 391

Qy 302 ATTAACTCGAGAGTTAGGTCAAAATCGAGGGAAACGATTCGCTGGTGGAGA 361
 Db 392 AGCTCACTCGAGAACTCGGTACAAATCGATGGTAAACATGGGPTCTTCAC 451

Qy 362 AGGTGAGGCCGCGATTAAGCCGACGGTACGGGAACGGTCCGCCATGCCATGGTGGAGA 421
 Db 452 AAGCTGAACCTGCAATTAGCTGAGTTATGGTGTGGCTACAACTGGCAACAGTACAAATTCCGGCGAAATTTCCTCTTAA 511

Qy 422 CGGTAAAGGAACTTA 438
 Db 512 CACTCACATTCTTA 528

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 Job time : 514.895 secs

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OM nucleic - nucleic search, using sw model

Run on: August 7, 2004, 06:55:53 ; Search time 82.6245 Seconds
(without alignments)
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Title: US-09-938-842A-1034
Perfect score: 1071
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Scoring table: OLIGO NUC
Gapop 60.0 , Gapext 60.0

Searched: 682709 seqs, 277475446 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post processing: Listing first 45 summaries

Database : Issued Patents NA:
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2: /cgm2_6/podata/2/ina/5B COMB seq:
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5: /cgm2_6/podata/2/ina/PCTUS COMB.seq:
6: /cgm2_6/podata/2/ina/backfile1.seq:
* Pred. No is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	19	1.8	2556	4	US-09-489-039A-6112
2	19	1.8	34094	4	US-09-292-034-1
3	18	1.7	4261	4	US-09-89-716
C	4	1.7	162450	4	US-09-345-882-1
C	5	1.7	164976	4	US-09-328-352-186
C	6	1.7	164976	4	US-09-416-421B-1
C	7	1.6	447	4	US-09-152-91A-6792
8	17	1.6	516	1	US-08-510-878-2
9	17	1.6	748	1	US-08-510-78-3
10	17	1.6	864	4	US-09-976-594-3
C	11	1.6	867	4	US-09-252-991A-6878
C	12	1.6	882	4	US-09-152-91A-6792
C	13	1.6	900	4	US-09-050-739-59
C	14	1.6	1251	4	US-09-614-912-81
C	15	1.6	1353	2	US-08-611-280-1
C	16	1.6	1353	3	US-09-195-940-1
C	17	1.6	1353	4	US-09-562-466-1
C	18	1.6	1636	4	US-09-195-94-69
C	19	1.6	1758	4	US-09-489-039A-3108
C	20	1.6	1960	4	US-09-553-867A-42
C	21	1.6	2755	4	US-09-833-381-1426
C	22	1.6	3758	3	US-08-323-477-1
C	23	1.6	12537	2	US-08-611-280-4
C	24	1.6	12537	3	US-09-195-94-4
C	25	1.6	12537	4	US-09-562-466-4
C	26	1.6	1664976	4	US-08-916-421B-1
C	27	1.6	4403765	3	US-09-103-840A-2

ALIGNMENTS

RESULT 1
US-09-489-039A-6112
; Sequence 6112, Application US/09489039A.
; Patent No. 66510835

; GENERAL INFORMATION:
; APPLICANT: GARY BRETON et. al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709/20040401
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO: 6112
; LENGTH: 2556
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-6112

Query Match 1.8% ; Score 19; DB 4; Length 2556;
Best Local Similarity 100%; Pred. No. 5; Mismatches 0; Indels 0; Gaps 0;

Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 180 AGCTCCACCGCTCTTGACCA 198
Db 850 AGCTCCACCGCTCTTGACCA 868

RESULT 2
US-09-292-034-1
; Sequence 1, Application US/09292034
; Patent No. 716, Application US/09292034
; GENERAL INFORMATION:
; APPLICANT: Reddy, P. Seshidhar
; APPLICANT: Babluk, Suresh
; APPLICANT: Babluk, Lorne
; TITLE OF INVENTION: PORCINE ADENOVIRUS TYPE 3 GENOME
; FILE REFERENCE: 293102002400
; CURRENT APPLICATION NUMBER: US/09/292,034
; CURRENT FILING DATE: 1999-04-14
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSEQ For Windows Version 3.0
; SEQ ID NO: 1
; LENGTH: 34094
; TYPE: DNA
; ORGANISM: Porcine Adenovirus Type 3
; FEATURE: US-09-292-034-1

Query Match 1.8%; Score 19; DB 4; Length 34094;
 Best Local Similarity 100.0%; Pred. No. 4.8;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 850 AGCACGGGGTTTGTATCCG 868
 Db 21527 AGCACGGGGTTTGTATCCG 21545

RESULT 3

US-09-489-039A-716
 Sequence 716, Application US/09489039A
 ; Patent No. 6610836
 ; GENERAL INFORMATION:
 ; APPLICANT: Gary Breton et. al.
 ; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
 ; TITLE OF INVENTION: PNEUMONIA FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: 2709 2004001
 ; CURRENT APPLICATION NUMBER: US/09/489,039A
 ; PRIORITY FILING DATE: 2000-01-27
 ; PRIORITY APPLICATION NUMBER: US/09/489,039A
 ; PRIORITY FILING DATE: 1999-01-29
 ; SEQ ID NO 716
 ; LENGTH: 1527
 ; TYPE: DNA
 ; ORGANISM: Klebsiella pneumoniae
 ; US-09-489-039A-716

Query Match 1.7%; Score 18; DB 4; Length 1527;
 Best Local Similarity 100.0%; Pred. No. 1.7;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 143 AGGGGAGCCGCGTATGC 160
 Db 965 AGGGGAGCCGCGTATGC 982

RESULT 4

US-09-976-594-3/C
 Sequence 3, Application US/09976594
 ; Patent No. 6673549
 ; GENERAL INFORMATION:
 ; APPLICANT: Furness, Michael
 ; APPLICANT: Buchbinder, Jenny
 ; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
 ; FILE REFERENCE: PA-0041 US
 ; CURRENT APPLICATION NUMBER: US/09/976,594
 ; CURRENT FILING DATE: 2001-10-12
 ; PRIORITY APPLICATION NUMBER: 60/240,409
 ; PRIORITY FILING DATE: 2000-10-12
 ; NUMBER OF SEQ ID NOS: 1143
 ; SEQ ID NO 3
 ; LENGTH: 4261
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE: misc feature
 ; OTHER INFORMATION: Incyte ID No. 6673549 1863336CB1

US-09-976-594-3

Query Match 1.7%; Score 18; DB 4; Length 4261;
 Best Local Similarity 100.0%; Pred. No. 16;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 603 AGCTCTGGCATCCAC 620
 Db 3322 AGCTCTGGATCATCCAC 3305

RESULT 5

US-09-345-882-1

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; OTHER INFORMATION: polymorphic fragment 5-129-144 SEQ ID33
; FEATURE:
; NAME/KEY: allele
; LOCATION: 134134
; OTHER INFORMATION: polymorphic fragment 5-129-144 SEQ ID54
; FEATURE:
; NAME/KEY: allele
; LOCATION: 134362
; OTHER INFORMATION: 5-140-348 : polymorphic base insertion of A
; FEATURE:
; NAME/KEY: allele
; LOCATION: 146328
; OTHER INFORMATION: 5-143-84 : polymorphic base insertion of CA
; FEATURE:
; NAME/KEY: allele
; LOCATION: 146345
; OTHER INFORMATION: 5-143-101 : polymorphic base A or C
; FEATURE:
; NAME/KEY: allele
; LOCATION: 150329
; OTHER INFORMATION: 5-145-24 : polymorphic base A or G
; FEATURE:
; NAME/KEY: allele
; LOCATION: 160031
; OTHER INFORMATION: 5-148-352 : polymorphic base G or T
; FEATURE:
; NAME/KEY: allele
; LOCATION: 72771..72817
; OTHER INFORMATION: polymorphic fragment 5-124-273 SEQ ID30
; FEATURE:
; NAME/KEY: allele
; LOCATION: 72771..72817
; OTHER INFORMATION: polymorphic fragment 5-124-273 SEQ ID51
; FEATURE:
; NAME/KEY: allele
; LOCATION: 88050..88096
; OTHER INFORMATION: polymorphic fragment 5-127-261 SEQ ID31
; FEATURE:
; NAME/KEY: allele
; LOCATION: 88050..88096
; OTHER INFORMATION: polymorphic fragment 5-127-261 SEQ ID52
; FEATURE:
; NAME/KEY: allele
; LOCATION: 90819..90865
; OTHER INFORMATION: complement polymorphic fragment 99-1437-325 SEQ ID49
; FEATURE:
; NAME/KEY: allele
; LOCATION: 90819..90865
; OTHER INFORMATION: complement polymorphic fragment 99-1437-325 SEQ ID70
; FEATURE:
; NAME/KEY: allele
; LOCATION: 93690..93736
; OTHER INFORMATION: polymorphic fragment 5-128-60 SEQ ID32
; FEATURE:
; NAME/KEY: allele
; LOCATION: 93690..93736
; OTHER INFORMATION: polymorphic fragment 5-128-60 SEQ ID53
; FEATURE:
; NAME/KEY: allele
; LOCATION: 97099..97145
; OTHER INFORMATION: polymorphic fragment 99-1442-224 SEQ ID50
; FEATURE:
; NAME/KEY: allele
; LOCATION: 97099..97145
; OTHER INFORMATION: polymorphic fragment 99-1442-224 SEQ ID71
; FEATURE:
; NAME/KEY: allele
; LOCATION: 97130..97177

; OTHER INFORMATION: polymorphic fragment 5-130-257 SEQ ID34
; FEATURE:
; NAME/KEY: allele
; LOCATION: 99075..99121
; OTHER INFORMATION: polymorphic fragment 5-130-257 SEQ ID55
; FEATURE:
; NAME/KEY: allele
; LOCATION: 99075..99121
; OTHER INFORMATION: polymorphic fragment 5-130-257 SEQ ID56
; FEATURE:
; NAME/KEY: allele
; LOCATION: 99094..99140
; OTHER INFORMATION: polymorphic fragment 5-130-276 SEQ ID35
; FEATURE:
; NAME/KEY: allele
; LOCATION: 99094..99140
; OTHER INFORMATION: polymorphic fragment 5-130-276 SEQ ID57
; FEATURE:
; NAME/KEY: allele
; LOCATION: 103783..103828
; OTHER INFORMATION: polymorphic fragment 5-131-395 SEQ ID36
; FEATURE:
; NAME/KEY: allele
; LOCATION: 103783..103828
; OTHER INFORMATION: polymorphic fragment 5-131-395 SEQ ID58
; FEATURE:
; NAME/KEY: allele
; LOCATION: 106918..106966
; OTHER INFORMATION: polymorphic fragment 5-133-375 SEQ ID37
; FEATURE:
; NAME/KEY: allele
; LOCATION: 106918..106966
; OTHER INFORMATION: polymorphic fragment 5-133-375 SEQ ID59
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108084..108130
; OTHER INFORMATION: polymorphic fragment 5-135-155 SEQ ID38
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108084..108130
; OTHER INFORMATION: polymorphic fragment 5-135-155 SEQ ID60
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108127..108177
; OTHER INFORMATION: polymorphic fragment 5-135-198 SEQ ID39
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108127..108177
; OTHER INFORMATION: polymorphic fragment 5-135-198 SEQ ID61
; FEATURE:
; NAME/KEY: allele
; LOCATION: 695 TCGGAGCTTCCTCTCTGA 712
; OTHER INFORMATION: sequence 695 TCGGAGCTTCCTCTGA 712
; Db 35413 TCGGAGCTTCCTCTGA 35430

RESULT 6
US-08-916-421B-1/C
Sequence 1, Application US/08916421B
; Sequence 1, Application US/08916421B
; Patent No. 6503729
; GENERAL INFORMATION:
; APPLICANT: Bult et al.
; TITLE OF INVENTION: Complete Genome Sequence of the Methanogenic Archaeon, Methanococcus
; Patent No. 6503729
; TITLE OF INVENTION: jannaschi

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FILE REFERENCE: PB275
CURRENT APPLICATION NUMBER: US/08/916,421B
CURRENT FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: US 60/024,428
PRIOR FILING DATE: 1996-08-22
NUMBER OF SEQ ID NOS: 3
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 1664976
TYPE: DNA
ORGANISM: Mechanococcus jannaschii
FEATURE:
NAME/KEY: misc_feature
LOCATION: (2822) .. (2822)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (28257) .. (28258)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (84773) .. (84773)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (84808) .. (84808)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (84812) .. (84812)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98120) .. (98120)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98159) .. (98159)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98239) .. (98239)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98266) .. (98266)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98343) .. (98343)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (103798) .. (103798)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (148748) .. (148748)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (163785) .. (163785)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (191595) .. (191595)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (231180) .. (231180)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (234220) .. (234220)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (234814) .. (234814)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (309398) .. (309398)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (309418) .. (309418)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (312537) .. (312837)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (312993) .. (312993)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (319226) .. (319226)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (559167) .. (559167)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (559241) .. (559241)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (600992) .. (600992)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (622708) .. (622708)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (657081) .. (657081)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (657203) .. (657203)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (674435) .. (674435)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (682442) .. (682442)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (713652) .. (713652)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (741684) .. (741684)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (779455) .. (779455)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (795676) .. (795676)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (855539) .. (855539)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (871619) .. (871619)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1084530) .. (1084530)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1096846) .. (1096846)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1119881) .. (1119881)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1131581) .. (1131581)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1311598) .. (1311598)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1313524) .. (1313524)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1349473) .. (1349473)

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OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (1349491)..(1349491)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (147091)..(147091)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (1569020)..(1569020)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (1602912)..(1602912)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (1603734)..(1603734)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (1637998)..(1637998)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (1664854)..(1664855)
 OTHER INFORMATION: n equals a, t, c, or g
 US-08-916-421B-1

Query Match 1.7%; Score 18; DB 4; Length 1664976;
 Best Local Similarity 100.0%; Pred. No. 15;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 170 CAATGTCCTTACCTCCAC 187
 Db 1522815 CAATGTCCTTACCTCCAC 1522798

RESULT 7
 US-09-328-352-186
 Sequence 186; Application US/09328352
 Patent No. 6362958
 GENERAL INFORMATION:
 APPLICANT: Gary L. Breton et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
 FILE REFERENCE: GTC99-03PA
 CURRENT APPLICATION NUMBER: US/09/328,352
 CURRENT FILING DATE: 1999-06-04
 SEQ ID NO: 186
 LENGTH: 447
 TYPE: DNA
 ORGANISM: Acinetobacter baumannii
 US-09-328-352-186

Query Match 1.6%; Score 17; DB 4; Length 447;
 Best Local Similarity 100.0%; Pred. No. 56;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 951 TTCAATGTCATTGCAA 967
 Db 326 TTCAATGTCATTGCAA 342

RESULT 8
 US-08-510-878-2
 Sequence 2; Application US/08510878
 Patent No. 5776771
 GENERAL INFORMATION:
 APPLICANT: Yu, Fujio
 TITLE OF INVENTION: A KANAMYCIN RESISTANCE GENE DERIVED FROM
 TITLE OF INVENTION: MICROORGANISMS OF THE GENUS RHODOCOCCUS
 NUMBER OF SEQUENCES: 3
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Birch, Stewart, Kolasch and Birch
 STREET: P.O. Box 747
 CITY: Falls Church
 STATE: VA
 COUNTRY: USA
 ZIP: 22040-0747

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/510,878
 FILING DATE: 03-AUG-1995
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Weiner, Marc S
 REGISTRATION NUMBER: 32,181
 REFERENCE/DOCKET NUMBER: 1254-121
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (703) 205-8000
 TELEXFAX: (703) 205-8050

OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (1349491)..(1349491)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (147091)..(147091)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (1569020)..(1569020)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (1602912)..(1602912)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (1603734)..(1603734)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (1637998)..(1637998)
 OTHER INFORMATION: n equals a, t, c, or g
 NAME/KEY: misc feature
 LOCATION: (1664854)..(1664855)
 OTHER INFORMATION: n equals a, t, c, or g
 US-08-916-421B-1

Query Match 1.6%; Score 17; DB 1; Length 516;
 Best Local Similarity 100.0%; Pred. No. 56;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 439 AAAATCCGACGAGAC 455
 Db 120 AAAATCCGACGAGAC 136

RESULT 9
 US-08-510-878-3
 Sequence 3; Application US/08510878
 Patent No. 5776771
 GENERAL INFORMATION:
 APPLICANT: Yu, Fujio
 TITLE OF INVENTION: A KANAMYCIN RESISTANCE GENE DERIVED FROM
 TITLE OF INVENTION: MICROORGANISMS OF THE GENUS RHODOCOCCUS
 NUMBER OF SEQUENCES: 3
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Birch, Stewart, Kolasch and Birch
 STREET: P.O. Box 747
 CITY: Falls Church
 STATE: VA
 COUNTRY: USA
 ZIP: 22040-0747

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/510,878
 FILING DATE: 03-AUG-1995
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Weiner, Marc S
 REGISTRATION NUMBER: 32,181
 REFERENCE/DOCKET NUMBER: 1254-121
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (703) 205-8000
 TELEXFAX: (703) 205-8050

INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 748 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 SEQ ID NO 8510-878-3

Query Match LENGTH: 867
 Best Local Similarity 1.6%; Score 17; DB 1; Length 748;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 SEQ ID NO 439 AAAATCCGAGCAGCAC 455
 Db 284 AAAATCCGAGCAGCAC 300

RESULT 10
 US-09-976-594-1054
 Sequence 1054, Application US/09976594
 Patent No. 6673549
 GENERAL INFORMATION:
 APPLICANT: Furness, Michael
 ATTORNEY OR AGENT: Buehinder, Jenny
 TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
 FILE REFERENCE: PA-0041 US
 CURRENT APPLICATION NUMBER: US/09/976,594
 CURRENT FILING DATE: 2001-10-12
 PRIOR APPLICATION NUMBER: 60/240,409
 PRIOR FILING DATE: 2000-10-12
 NUMBER OF SEQ ID NOS: 1143
 SEQ ID NO 1054
 LENGTH: 864
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc_feature
 OTHER INFORMATION: Incyte ID No. 6673549 246727.11
 NAME/KEY: unsure
 LOCATION: 847, 856
 OTHER INFORMATION: a, t, c, g, or other
 SEQ ID NO 976-594-1054

Query Match LENGTH: 867
 Best Local Similarity 1.6%; Score 17; DB 4; Length 864;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 SEQ ID NO 250 GGAAGAGGAGGAGGAT 266
 Db 166 GGAGAGGAGGAGGAT 182

RESULT 11
 US-09-252-991A-6878
 Sequence 6878, Application US/09252991A
 Patent No. 6551795
 GENERAL INFORMATION:
 APPLICANT: Marc J. Rubenfield et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 FILE REFERENCE: 107196-136
 CURRENT APPLICATION NUMBER: US/09/252,991A
 CURRENT FILING DATE: 1999-02-18
 PRIOR APPLICATION NUMBER: US 60/074,788
 PRIOR FILING DATE: 1998-02-18
 NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO 6878

Query Match LENGTH: 867
 Best Local Similarity 1.6%; Score 17; DB 4; Length 867;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 SEQ ID NO 371 CGGGGATTATAGCCGCC 387
 Db 50 CGGGGATTATAGCCGCC 66

RESULT 12
 US-09-252-991A-6792/C
 Sequence 6792, Application US/09252991A
 Patent No. 6551795
 GENERAL INFORMATION:
 APPLICANT: Marc J. Rubenfield et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 FILE REFERENCE: 107196-136
 CURRENT APPLICATION NUMBER: US/09/252,991A
 CURRENT FILING DATE: 1998-02-18
 PRIOR APPLICATION NUMBER: US 60/074,788
 PRIOR FILING DATE: 1998-02-18
 NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO 6792
 LENGTH: 882
 TYPE: DNA
 ORGANISM: Pseudomonas aeruginosa
 SEQ ID NO 2991A-6792

Query Match LENGTH: 882;
 Best Local Similarity 100.0%; Pred. No. 56;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 SEQ ID NO 371 CGGGGATTATAGCCGCC 387
 Db 82 CGGGGATTATAGCCGCC 66

RESULT 13
 US-09-050-739-59/C
 Sequence 59, Application US/09050739
 Patent No. 661814
 GENERAL INFORMATION:
 APPLICANT: ANDERSEN, Peter
 APPLICANT: NIELSEN, Rikke
 APPLICANT: OETTINGER, Thomas
 APPLICANT: RASMUSSEN, Peter Birk
 APPLICANT: ROSENKRANDS, Ida
 APPLICANT: WELDINGH, Karin
 APPLICANT: FLORIO, Walter
 TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS DERIVED FROM M. TUBERCULOSIS
 FILE REFERENCE: 670001-2002-1
 CURRENT APPLICATION NUMBER: US/09/050,739
 CURRENT FILING DATE: 1998-03-30
 EARLIER APPLICATION NUMBER: 0376/97
 EARLIER FILING DATE: 1997-04-02
 EARLIER APPLICATION NUMBER: 1597/97
 EARLIER FILING DATE: 1997-11-10
 EARLIER APPLICATION NUMBER: 60/044,624
 EARLIER FILING DATE: 1997-04-18
 EARLIER APPLICATION NUMBER: 60/070,488
 EARLIER FILING DATE: 1998-01-05
 NUMBER OF SEQ ID NOS: 173
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 59

LENGTH: 900
 ; TYPE: DNA
 ; ORGANISM: Mycobacterium tuberculosis
 US-09-050-739-59

Query Match 1.6%; Score 17; DB 4; Length 900;
 Best Local Similarity 100.0%; Pred. No. 56;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 144 GCGGAGCGGTATGC 160
 Db 752 GGCGAGCGGTATGC 736

RESULT 14
 US-09-614-912-81

; Sequence 81, Application US/09614912

; GENERAL INFORMATION:
 ; APPLICANT: Allen, Steve
 ; APPLICANT: Rafalski, Antoni
 ; APPLICANT: Oroco, Buddy
 ; APPLICANT: Miao, Gou-Hau
 ; APPLICANT: Famodu, Omolayo O.
 ; APPLICANT: Lee, Jian Ming
 ; APPLICANT: Sakai, Hajime
 ; APPLICANT: Weng, Zude
 ; APPLICANT: Caimi, Perry G.
 ; APPLICANT: Anderson, Shawn
 ; TITLE OF INVENTION: Plant Metabolism Genes
 ; FILE REFERENCE: BB1378 US NA

; CURRENT APPLICATION NUMBER: US/09/614,912
 ; CURRENT FILING DATE: 2000-07-12
 ; PRIOR APPLICATION NUMBER: 60/143,401
 ; PRIOR FILING DATE: 1999-07-12
 ; PRIOR APPLICATION NUMBER: 60/143,412
 ; PRIOR FILING DATE: 1999-07-12
 ; PRIOR APPLICATION NUMBER: 60/146,650
 ; PRIOR FILING DATE: 1999-07-30
 ; PRIOR APPLICATION NUMBER: 60/170,906
 ; PRIOR FILING DATE: 1999-12-15
 ; PRIOR APPLICATION NUMBER: 60/172,959
 ; PRIOR FILING DATE: 1999-12-21
 ; PRIOR APPLICATION NUMBER: 60/172,946
 ; PRIOR FILING DATE: 1999-12-21
 ; NUMBER OF SEQ ID NOS: 204
 ; SEQ ID NO: 81
 ; LENGTH: 1251
 ; TYPE: DNA
 ; ORGANISM: Oryza sativa

US-09-614-912-81

Query Match 1.6%; Score 17; DB 4; Length 1251;
 Best Local Similarity 100.0%; Pred. No. 55;
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 247 GAAGGAGAGGGAGAG 263
 Db 433 GAAGGAGAGGGAGAG 449

RESULT 15
 US-09-611-280-1/c

; Sequence 1, Application US/08611280

; GENERAL INFORMATION:
 ; APPLICANT: Matsuyama, Toshihumi
 ; APPLICANT: Grossman, Alex
 ; APPLICANT: Richardson, Christopher D.
 ; TITLE OF INVENTION: NOVEL GENES ENCODING LSIRF POLYPEPTIDES
 ; NUMBER OF SEQUENCES: 25
 ; CORRESPONDENCE ADDRESS:

Result	No.	Score	Query	Match	Length	DB	ID	Description	
1	1071	100.0	1071	9	US-09-938-842A-1034	Sequence 1034, Ap		Sequence 1034, Ap	
2	1071	100.0	1071	11	US-09-938-842A-1034	Sequence 1034, Ap		Sequence 1034, Ap	
c	3	289	27.0	460	9	US-09-924-035A-502	Sequence 502, Ap	Sequence 502, Ap	
c	4	286	26.7	453	9	US-09-770-644-615	Sequence 515, App	Sequence 515, App	
5	185	17.3	185	9	US-09-770-636-257	Sequence 257, App	Sequence 257, App	Sequence 257, App	
6	25	2.3	704	13	US-10-225-066A-1049	Sequence 1049, Ap	Sequence 1049, Ap	Sequence 1049, Ap	
7	25	2.3	704	16	US-10-374-780A-2689	Sequence 2689, Ap	Sequence 2689, Ap	Sequence 2689, Ap	
8	23	2.1	390	12	US-09-732-6-287	Sequence 4287, Ap	Sequence 4287, Ap	Sequence 4287, Ap	
9	23	2.1	587	17	US-10-021-323-15482	Sequence 15482, A	Sequence 15482, A	Sequence 15482, A	
10	23	2.1	1604	13	US-10-412-699B-551	Sequence 551, App	Sequence 551, App	Sequence 551, App	
11	23	2.1	1604	15	US-10-295-4-03-147	Sequence 147, App	Sequence 147, App	Sequence 147, App	
12	20	1.9	442	13	US-10-424-599-59834	Sequence 59834, A	Sequence 59834, A	Sequence 59834, A	
c	13	20	1.9	453	13	US-10-276-74-292	Sequence 292, App	Sequence 292, App	Sequence 292, App
c	14	20	1.9	1263	16	US-10-369-49-37704	Sequence 37704, A	Sequence 37704, A	Sequence 37704, A

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

* Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

RESULT 1
US-09-938-842A-1034
i Sequence 1034, Application US/09938842A
i Patent No. US2002160378A1
i GENERAL INFORMATION:
i APPLICANT: Harper, Jeff
i APPLICANT: Kreps, Joel
i APPLICANT: Wang, Xun
i APPLICANT: Zhu, Tong
i TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
i TITLE OF INVENTION: SAME, AND METHODS OF USE
i FILE REFERENCE: SCRIP1300-3
i CURRENT APPLICATION NUMBER: US/09/938,842A
i CURRENT APPLICATION NUMBER: US/09/938,842A
i PRIORITY APPLICATION NUMBER: US/09/938-842A-1034
i PRIORITY FILING DATE: 2001-08-24
i PRIORITY FILING DATE: 2000-08-24
i PRIORITY FILING DATE: 2001-01-16
i PRIORITY FILING DATE: 2001-06-22
i PRIORITY FILING DATE: 2001-06-22
i NUMBER OF SEQ ID NOS: 5379
i SEQ ID NO: 1034
i LENGTH: 1071
i TYPE: DNA
i ORGANISM: Arabidopsis thaliana
i US-09-938-842A-1034

Query Match 100.0% Score 1071; DB 9; Length 1071;
i Best Local Similarity 100.0%; Pred. No. 0;
i Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGGCGACATTCAAGCTTGAAGCTTGAAGAAGTCAAGCCGTT 60
Db 1 ATGGCGACATTCAAGCTTGAAGAAGTCAAGCCGTT 60
QY 61 GATCTAACCCATCATCAAGCGCTGCAAAACCTTCAAGACCTTCCAAAGTAAAT 120

Db 61 GATCTAACCATCATCAACGGGTAGAGAAACGTCAGAAACTTCAGCTTCCAGTAAAT 120
 Qy 121 CCCACAGTAGTCTGAGGCCAACGGGGGTGATGCCGTTTCAATGTCCTTA 180
 Db 121 CCCACAGTAGTCTGAGGCCAACGGGGGTGATGCCGTTTCAATGTCCTTA 180
 Db 181 GCTCACCCCTTCAGGACCACTTGAAGAGAGCTTCGACTAAAGACGTCAAGC 240
 Db 181 GCTCACCCCTTCAGGACCACTTGAAGAGAGCTTCGACTAAAGACGTCAAGC 240
 Qy 241 AAGGTGAAGGAAGGGAAAGGTAACTGCTGCCACGTGCGCTAGATTTT 300
 Db 241 AAGGTGAAGGAAGGGAAAGGTAACTGCTGCCACGTGCGCTAGATTTT 300
 Qy 301 CAAATTAACCTGAGATTAGGTCAAACTTCAACGGCAAAACGATTCGGTGGAG 360
 Db 301 CAAATTAACCTGAGATTAGGTCAAACTTCAACGGCAAAACGATTCGGTGGAG 360
 Qy 361 AACGTGAGGGGCAATTAGCCGCCAACGGTAGGGAAACGGTTCGCCATGCCATG 420
 Db 361 AACGTGAGGGGCAATTAGCCGCCAACGGTAGGGAAACGGTTCGCCATGCCATG 420
 Qy 421 TCGGTAACCGAACCTTAATAATCCGAGAGCGCAAACTGCTGATCTGATGGTAA 480
 Db 421 TCGGTAACCGAACCTTAATAATCCGAGAGCGCAAACTGCTGATCTGATGGTAA 480
 Qy 481 AATCTGATGAGAGAAACCTTAAACTGACACTCTTAAAGTGTAGTATAGACATAAGCAG 540
 Db 481 AATCTGATGAGAGAAACCTTAAACTGACACTCTTAAAGTGTAGTATAGACATAAGCAG 540
 Qy 541 GCGCTTCACTGTTCTCGGTTTAGTCGATTGCACTTGTGCTTCAACCTCCG 600
 Db 541 GCGCTTCACTGTTCTCGGTTTAGTCGATTGCACTTGTGCTTCAACCTCCG 600
 Qy 601 CAAGCTCTGGCATCATCACTGCTGGTCAAGCAACTCTGGCTTCAACCTCCG 660
 Db 601 CAAGCTCTGGCATCATCACTGCTGGTCAAGCAACTCTGGCTTCAACCTCCG 660
 Qy 661 TGGGCTATTCCATCAAACGCAATGATGATTCGAGGTGGTCTCTGATTCACAA 720
 Db 661 TGGGCTATTCCATCAAACGCAATGATGATTCGAGGTGGTCTCTGATTCACAA 720
 Qy 721 ATCGCTGTCCTCGTCAATGAGCTTCAACGCAATGATGATTCGAGGTGGTCTCTGCG 780
 Db 721 ATCGCTGTCCTCGTCAATGAGCTTCAACGCAATGATGATTCGAGGTGGTCTCTGCG 780
 Qy 841 GTTGTTCCAAGCAGCGGCTTGTATGGTTCAAGACCTTAGCGTTGAAATTATCAGA 900
 Db 841 GTTGTTCCAAGCAGCGGCTTGTATGGTTCAAGACCTTAGCGTTGAAATTATCAGA 900
 Qy 961 ATTCGAACACAGGACCAAGCTGAGACTTCTCCCTAGAGATATAGGAAACAA 1020
 Db 961 ATTCGAACACAGGACCAAGCTGAGACTTCTCCCTAGAGATATAGGAAACAA 1020
 Qy 901 GCGACGCGGGTTATGGCTCCGAGCTCAAGCTCAACGGTAACTGTCATCTCA 960
 Db 901 GCGACGCGGGTTATGGCTCCGAGCTCAAGCTCAACGGTAACTGTCATCTCA 960
 Qy 1021 GAGCTTCAACAGTTCACTAGGCAACACAGCAACGGTATCGAACCTGA 1071
 Db 1021 GAGCTTCAACAGTTCACTAGGCAACACAGCAACGGTATCGAACCTGA 1071
 ; APPLICANT: Kreps, Joel
 ; APPLICANT: Wang, Xun
 ; APPLICANT: Zhu, Tong
 ; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
 ; SAME, AND METHODS OF USE
 ; FILE REFERENCE: Sкрип1300-3
 ; CURRENT APPLICATION NUMBER: US/09/938,842A
 ; PRIORITY APPLICATION NUMBER: US/09/938,842A
 ; PRIORITY FILING DATE: 2001-08-24
 ; PRIORITY FILING DATE: 2000-08-24
 ; PRIORITY APPLICATION NUMBER: US/60/2264,647
 ; PRIORITY FILING DATE: 2001-01-16
 ; PRIORITY APPLICATION NUMBER: US/60/3000,111
 ; PRIORITY FILING DATE: 2001-06-22
 ; NUMBER OF SEQ ID NOS: 5379
 ; SEQ ID NO: 1034
 ; LENGTH: 1071
 ; TYPE: DNA
 ; ORGANISM: Arabidopsis thaliana
 ; US-09-938-842a-1034
 Query Match 100.0%; Score 1071; DB 11; Length 1071;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 1071; Conservative 0; Mi smatches 0; Indels 0; Gaps 0;
 Qy 1 ATGGGACAAATTCAAGAGCTTGAAAGAAGCTTAAGACCCGTT 60
 Db 1 ATGGGACAAATTCAAGAGCTTGAAAGAAGCTTAAGACCCGTT 60
 Qy 61 GATCTAACCATCATCAACGGGTCAAAACTGCAAGACTTCAAACTTAAGCGCTT 120
 Db 61 GATCTAACCATCATCAACGGGTCAAAACTGCAAGACTTCAAACTTAAGCGCTT 120
 Qy 121 CCCACAGTAGTCTGAGGCCAACGGTAGGGAAAGCTTGAAAGTCAAGCTTCAAACTTAAGCGCTT 180
 Db 121 CCCACAGTAGTCTGAGGCCAACGGTAGGGAAAGCTTGAAAGTCAAGCTTCAAACTTAAGCGCTT 180
 Qy 181 GCTCACCGCTTTCGACAGGACCACTTGTGAAAGAGCTTCAAGCTTAAGCGCTTCAAC 240
 Db 181 GCTCACCGCTTTCGACAGGACCACTTGTGAAAGAGCTTCAAGCTTAAGCGCTTCAAC 240
 Qy 241 AAGGTGAGGGAAAGGGAGGAGGATGACGGTGGCTTAGGATTTT 300
 Db 241 AAGGTGAGGGAAAGGGAGGAGGATGACGGTGGCTTAGGATTTT 300
 Qy 300 CAATTAACTGAGGAAACCTTAAATCCGAGAGCGCAAACTGCTTCAAC 360
 Db 300 CAATTAACTGAGGAAACCTTAAATCCGAGAGCGCAAACTGCTTCAAC 360
 Qy 360 AACGCTGAGCGGGATTATAGCCGCAACGGGTAACTGGAAACGGTTCATGCCATG 420
 Db 360 AACGCTGAGCGGGATTATAGCCGCAACGGGTAACTGGAAACGGTTCATGCCATG 420
 Qy 420 AACGCTACGGCTTCAACGAGTTAGGTCAAAATCCGAGGAAACGATTCGGCTTCAAC 480
 Db 420 AACGCTACGGCTTCAACGAGTTAGGTCAAAATCCGAGGAAACGATTCGGCTTCAAC 480
 Qy 540 GCGCTTCAACGGGTAACTGGCTTCAACGAGTTAGGTCAAAATCCGAGGAAACGATTCGGCTTCAAC 540
 Db 540 GCGCTTCAACGGGTAACTGGCTTCAACGAGTTAGGTCAAAATCCGAGGAAACGATTCGGCTTCAAC 540
 Qy 600 CAAGCTTAACTCCATCAAACGCAATGATTCGAGGTGGTCTCTGCTTCAAC 600
 Db 600 CAAGCTTAACTCCATCAAACGCAATGATTCGAGGTGGTCTCTGCTTCAAC 600
 Qy 660 CAAGCTTAACTCCATCAAACGCAATGATTCGAGGTGGTCTCTGCTTCAAC 660
 Db 660 CAAGCTTAACTCCATCAAACGCAATGATTCGAGGTGGTCTCTGCTTCAAC 660
 Qy 720 CAAGCTTAACTCCATCAAACGCAATGATTCGAGGTGGTCTCTGCTTCAAC 720
 Db 720 CAAGCTTAACTCCATCAAACGCAATGATTCGAGGTGGTCTCTGCTTCAAC 720
 Qy 780 CAAGCTTAACTCCATCAAACGCAATGATTCGAGGTGGTCTCTGCTTCAAC 840
 Db 780 CAAGCTTAACTCCATCAAACGCAATGATTCGAGGTGGTCTCTGCTTCAAC 840
 Qy 840 CAAGCTTAACTCCATCAAACGCAATGATTCGAGGTGGTCTCTGCTTCAAC 900
 Db 840 CAAGCTTAACTCCATCAAACGCAATGATTCGAGGTGGTCTCTGCTTCAAC 900
 Qy 960 CAAGCTTAACTCCATCAAACGCAATGATTCGAGGTGGTCTCTGCTTCAAC 1020
 Db 960 CAAGCTTAACTCCATCAAACGCAATGATTCGAGGTGGTCTCTGCTTCAAC 1020
 Qy 1021 GAGCTTCAACAGTTCACTAGGCAACACAGCAACGGTATCGAACCTGA 1071
 Db 1021 GAGCTTCAACAGTTCACTAGGCAACACAGCAACGGTATCGAACCTGA 1071
 ; RESULT 2
 ; US-09-938-842a-1034
 ; Sequence 1034, Application US/09/938842A
 ; Publication No. US2004000947619
 ; GENERAL INFORMATION:
 ; APPLICANT: Harper, Jeff

Qy 955 TCGTCAATTGCCAACACAGGGCACAGCTGAGAGACTTCTCCCTAGAGATATAGAG 1014
 Db 106 TCGTCAATTGCCAACACAGGGCACAGCTGAGAGACTTCTCCCTAGAGATATAGAG 47

Qy 1015 AACAAAGAGCTTCACCACTTCATGAGCACACAAGCAAGCTCAT 1060
 Db 46 AACAAAGAGCTTCACCACTTCATGAGCACACAAGCAAGCTCAT 1

RESULT 5

US-09-770-696-257
 ; Sequence 257, Application US/09770696
 ; Patent No. US20010044940A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Gorlach, Jorn
 ; APPLICANT: An, Yong-Qiang
 ; APPLICANT: Hamilton, Carol M.
 ; APPLICANT: Price, Jennifer L.
 ; APPLICANT: Raines, Tracy M.
 ; APPLICANT: Yu, Yang
 ; APPLICANT: Rameka, Joshua G.
 ; APPLICANT: Page, Amy
 ; APPLICANT: Matthew, Abraham V.
 ; APPLICANT: Ledford, Brooke L.
 ; APPLICANT: Woessner, Jeffrey P.
 ; APPLICANT: Haas, William David
 ; APPLICANT: Garcia, Carlos A.
 ; APPLICANT: Kricker, Maja
 ; APPLICANT: Slader, Ted
 ; APPLICANT: Davis, Keith R.
 ; APPLICANT: Allen, Keith
 ; APPLICANT: Hoffman, Neil
 ; APPLICANT: Hurban, Patrick
 ; TITLE OF INVENTION: Expressed Sequences of *Arabidopsis*
 ; FILE REFERENCE: 20311US (PARA-020PVR)
 ; CURRENT APPLICATION NUMBER: US/09/770, 696
 ; CURRENT FILING DATE: 2001-01-26
 ; PRIOR APPLICATION NUMBER: 60/178, 278
 ; PRIOR FILING DATE: 2000-01-27
 ; NUMBER OF SEQ ID NOS: 911
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 257
 ; LENGTH: 185
 ; TYPE: DNA
 ; ORGANISM: *Arabidopsis thaliana*
 US-09-770-696-257

Query Match 17.3%; Score 185; DB 9; Length 185;
 Best Local Similarity 100.0%; Pred. No. 2.8e-90;
 Matches 185; Conservative 0; Mismatches 0; Indels 0; Gaps 0; Gaps 0;

Qy 35 GCAAGATCAAACTTAAGGCCGTTCACTAACTATCAACGGCGTCAGAAAGTCG 94
 Db 1 GCAAGATCAAACTTAAGGCCGTTCACTAAACGGCGTCAGAAAGTCG 60

Qy 95 AAACCTCAAGCTTTCAAGTAATCCACGTGAGTCAGCCCAAGCGGACCCGG 154
 Db 61 AAACCTCAAGCTTTCAAGTAATCCACGTGAGTCAGCCCAAGCGGACCCGG 120

Qy 155 TGATGCCGTCGTTTCAATGCTTTAGCTTCAACCGCTTCAGGACACATTGAGA 214
 Db 121 TGATGCCGTCGTTTCAATGCTTTAGCTTCAACCGCTTCAGGACACATTGAGA 180

Qy 215 GAGCT 219
 Db 181 GAGCT 185

RESULT 6

US-10-225-066A-1049
 ; Sequence 1049, Application US/10225066A
 ; Publication No. US20030226173A1

Query Match 2.3%; Score 25; DB 13; Length 704;
 Best Local Similarity 100.0%; Pred. No. 0.012;
 Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0; Gaps 0;

Qy 222 GACTAAAGACCGTCACAGGAGGT 246
 Db 189 GACTAAAGACCGTCACAGGAGGT 213

RESULT 7

US-10-374-780A-2689
 ; Sequence 2689, Application US/10374780A
 ; Publication No. US20040019927A1

GENERAL INFORMATION:
 ; APPLICANT: Sherman, Bradley K
 ; APPLICANT: Riechmann, Jose Luis
 ; APPLICANT: Heard, Jacqueline E
 ; APPLICANT: Haake, Volker
 ; APPLICANT: Creelman, Robert A
 ; APPLICANT: Ratcliffe, Oliver
 ; APPLICANT: Adam, Luc J
 ; APPLICANT: Reuber, T. Lynne
 ; APPLICANT: Keddie, James
 ; APPLICANT: Brown, Pierre E
 ; APPLICANT: Pilgrim, Marsha L
 ; APPLICANT: Dubell III, Arnold T
 ; APPLICANT: Pineda, Omaira
 ; APPLICANT: Yu, Guo-Liang
 ; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS
 ; FILE REFERENCE: MBI-0047 CIP
 ; CURRENT APPLICATION NUMBER: US/10/374, 780A
 ; CURRENT FILING DATE: 2003-02-25
 ; PRIOR APPLICATION NUMBER: 09/837, 944
 ; PRIOR FILING DATE: 2001-04-18
 ; PRIOR APPLICATION NUMBER: 60/310, 847
 ; PRIOR FILING DATE: 2001-04-18
 ; PRIOR APPLICATION NUMBER: 60/310, 847
 ; PRIOR FILING DATE: 2002-08-09
 ; CURRENT APPLICATION NUMBER: US/10/225, 066A
 ; PRIOR APPLICATION NUMBER: 09/837, 444
 ; PRIOR FILING DATE: 2001-04-18
 ; PRIOR APPLICATION NUMBER: 60/310, 847
 ; PRIOR FILING DATE: 2001-04-09
 ; CURRENT APPLICATION NUMBER: 60/336, 049
 ; PRIOR APPLICATION NUMBER: 60/338, 632
 ; PRIOR FILING DATE: 2001-12-11
 ; PRIOR APPLICATION NUMBER: 10/171, 468
 ; PRIOR FILING DATE: 2002-06-14
 ; NUMBER OF SEQ ID NOS: 1122
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 1049
 ; LENGTH: 704
 ; TYPE: DNA
 ; ORGANISM: *Arabidopsis thaliana*
 US-10-225-066A-1049

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; FILE REFERENCE: 38-21-(52274)B
; CURRENT APPLICATION NUMBER: US/10/021,323
; CURRENT FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: US 60/2555, 619
; PRIOR FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 17880
; SEQ ID NO: 15482
; LENGTH: 587
; TYPE: DNA
; ORGANISM: Gossypium hirsutum
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3829-026-Q6-K6-G6
; US-10-021-323-15482

Query Match 2.1% Score 23; DB 17; Length 587;
Best Local Similarity 100.0%; Pred. No. 0.15;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
; Sequence 551, Application US/10412699B
; Publication No. US20040045049A1
; GENERAL INFORMATION:
; APPLICANT: Mandel Biotechnology, Inc.
; APPLICANT: Zhang, James
; APPLICANT: Fromm, Michael E.
; APPLICANT: Heard, Jacqueline E.
; APPLICANT: Adam, Luc J.
; APPLICANT: Broun, Pierre E.
; APPLICANT: Pineda, Omaira
; APPLICANT: Reuber, T. Lynne
; APPLICANT: Keddie, James S.
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Samaha, Raymond R.
; APPLICANT: Pilgrim, Marsha L.
; APPLICANT: Creeiman, Robert A.
; APPLICANT: Dubell, Arnold N.
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Kuminoto, Roderick
; APPLICANT: Sherman, Bradley K.
; TITLE OF INVENTION: Polynucleotides and Polypeptides in Plants
; FILE REFERENCE: MBL-0048CIP
; CURRENT APPLICATION NUMBER: US/10/412,699B
; CURRENT FILING DATE: 2003-04-10
; PRIOR APPLICATION NUMBER: 09/394,519
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: 09/489,376
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: 09/505,720
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: 09/533,030
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,392
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,029
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/532,591
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,648
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/713,994
; PRIOR FILING DATE: 2000-11-16
; PRIOR APPLICATION NUMBER: 09/819,142
; PRIOR FILING DATE: 2001-03-27
; Remaining Prior Application data removed - See File Wrapper or PAM.
; NUMBER OF SEQ ID NOS: 223
; SEQ ID NO: 15482
; LENGTH: 245
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; OTHER INFORMATION: G1663
; US-10-374-780A2689

Query Match 2.3% Score 25; DB 16; Length 704;
Best Local Similarity 100.0%; Pred. No. 0.012;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
; Sequence 4287, Application US/09732627A
; Publication No. US20040123338A1
; GENERAL INFORMATION:
; APPLICANT: Finch, Karen L.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE INVENTION: Plants
; FILE REFERENCE: 38-21-(51770)B
; CURRENT APPLICATION NUMBER: US/09/732,627A
; CURRENT FILING DATE: 2000-12-08
; NUMBER OF SEQ ID NOS: 4930
; SEQ ID NO: 4287
; LENGTH: 390
; TYPE: DNA
; ORGANISM: Gossypium hirsutum
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3493-028-P1-M1-F9
; US-09-732-627A-4287

Query Match 2.1% Score 23; DB 12; Length 390;
Best Local Similarity 100.0%; Pred. No. 0.15;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
; Sequence 15482, Application US/10021323
; Publication No. US2004013340A1
; GENERAL INFORMATION:
; APPLICANT: Deikman, Jill
; APPLICANT: Feng, Paul C.C.
; APPLICANT: Fincher, Karen L.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; NUMBER OF SEQ ID NOS: 223
; SEQ ID NO: 15482
; LENGTH: 245
; TYPE: DNA
; ORGANISM: Gossypium hirsutum
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3829-026-Q6-K6-G6
; US-10-021-323-15482
; Remaining Prior Application data removed - See File Wrapper or PAM.
; NUMBER OF SEQ ID NOS: 43
; SEQ ID NO: 15482
; LENGTH: 65
; TYPE: DNA
; ORGANISM: Gossypium hirsutum
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3829-026-Q6-K6-G6
; US-10-021-323-15482
; Remaining Prior Application data removed - See File Wrapper or PAM.

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SOFTWARE: PatentIn version 3.2
 SEQ ID NO 551
 LENGTH: 1604
 TYPE: DNA
 ORGANISM: Arabidopsis thaliana
 FEATURE:
 OTHER INFORMATION: G802
 US-10-4112-699B-551

Query Match 2.1%; Score 23; DB 13; Length 1604;
 Best Local Similarity 100.0%; Pred. No. 0.15; Mismatches 0; Indels 0; Gaps 0;
 Matches 23; Conservative 0; N mismatches 0; N indels 0; N gaps 0;

Qy 220 TCGACTAAGACCCCTCACCGAA 242
 Db 317 TCGACTAAAGACCCGTACACGAA 339

RESULT 11
 US-10-295-403-147
 Sequence 147, Application US/10295403
 Publication No. US20030101481A1
 GENERAL INFORMATION:
 APPLICANT: Heard, Jacqueline
 APPLICANT: Riechmann, Jose Luis
 APPLICANT: Adam, Luc
 APPLICANT: Brown, Pierre
 APPLICANT: Pineda, Omaira
 APPLICANT: Reuber, Lynne
 APPLICANT: Jiang, Cai-Zhong
 APPLICANT: Keddie, James
 APPLICANT: Zhang, James
 APPLICANT: Benito, Maria-Ines
 APPLICANT: Yu, Guo-Liang
 APPLICANT: Fromm, Mike
 TITLE OF INVENTION: PLANT GENE SEQUENCES I
 FILE REFERENCE: MBI-0003
 CURRENT APPLICATION NUMBER: US/10/295,403
 CURRENT FILING DATE: 2002-11-15
 PRIOR APPLICATION NUMBER: US/09/394,519
 PRIOR FILING DATE: 1999-09-13
 PRIOR APPLICATION NUMBER: 60/101,349
 PRIOR FILING DATE: 1998-09-22
 PRIOR APPLICATION NUMBER: 60/103,312
 PRIOR FILING DATE: 1998-10-06
 PRIOR APPLICATION NUMBER: 60/108,734
 PRIOR FILING DATE: 1998-11-17
 PRIOR APPLICATION NUMBER: 60/113,409
 PRIOR FILING DATE: 1998-12-22
 NUMBER OF SEQ ID NOS: 170
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 147
 LENGTH: 1604
 TYPE: DNA
 ORGANISM: Arabidopsis thaliana
 FEATURE:
 NAME/KEY: CDS
 LOCATION: (143)..(1345)
 OTHER INFORMATION: G802
 US-10-295-403-147

Query Match 2.1%; Score 23; DB 15; Length 1604;
 Best Local Similarity 100.0%; Pred. No. 0.15; Mismatches 0; Indels 0; Gaps 0;
 Matches 23; Conservative 0; N mismatches 0; N indels 0; N gaps 0;

Qy 220 TCGACTAAGACCCCTCACCGAA 242
 Db 317 TCGACTAAAGACCCGTACACGAA 339

RESULT 12
 US-10-424-599-59834
 Sequence 59834, Application US/10424599
 GENERAL INFORMATION:
 APPLICANT: Chen, Xianfeng
 TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF PLANTS WITH IMPROVED PROPERTIES

RESULT 13
 US-10-276-774-292/C
 Sequence 292, Application US/10276774
 Publication No. US20040053245A1
 GENERAL INFORMATION:
 APPLICANT: Hyseg, Inc.
 APPLICANT: Tang, Y, Tom et al
 TITLE OF INVENTION: No. US 0040053245A1 Nucleic Acids and Polypeptides
 FILE REFERENCE: 21272-030
 CURRENT APPLICATION NUMBER: US/10/276,774
 CURRENT FILING DATE: 2002-11-18
 PRIOR APPLICATION NUMBER: 09/560,875
 PRIOR FILING DATE: 2000-04-27
 PRIOR APPLICATION NUMBER: 09/496,914
 PRIOR FILING DATE: 2000-02-03
 NUMBER OF SEQ ID NOS: 2700
 SOFTWARE: Custom
 SEQ ID NO 292
 LENGTH: 453
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: CDS
 LOCATION: (143)..(1345)
 OTHER INFORMATION: G802
 US-10-276-774-292

Query Match 1.9%; Score 20; DB 13; Length 453;
 Best Local Similarity 100.0%; Pred. No. 6.5; Mismatches 0; Indels 0; Gaps 0;

Qy 618 CACTGTGGCTCACGCAACTTC 637
 Db 239 CACTGTGGCTCACGCAACTTC 220

RESULT 14
 US-10-169-493-37704/C
 Sequence 37704, Application US/10369493
 Publication No. US2003023675A1
 GENERAL INFORMATION:
 APPLICANT: Cao, Yongwei
 APPLICANT: Hinkle, Gregory J.
 APPLICANT: Slater, Steven C.
 APPLICANT: Goldman, Barry S.
 APPLICANT: Chen, Xianfeng
 TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF PLANTS WITH IMPROVED PROPERTIES

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; FILE REFERENCE: 38-10(52052) B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 37704
; LENGTH: 1263
; TYPE: DNA
; ORGANISM: Pseudomonas fluorescens
US-10-369-493-37704

Query Match 1.9%; Score 20; DB 16; Length 1263;
Best Local Similarity 100.0%; Pred. No. 6.7;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 764 CCCCGCTGCTTGGCCGTCG 783
Db 874 CCCCGCTGCTTGGCCGTCG 855

RESULT 15
US-10-424-599-93501/C
Sequence 93501, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION:
APPLICANT: La Rosa Thomas J
APPLICANT: Kovacic David K
APPLICANT: Zhou Yihua
APPLICANT: Cao Yongwei
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53223)B
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 93501
LENGTH: 1736
TYPE: DNA
ORGANISM: Glycine max
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT3847_55445C.1
US-10-424-599-93501

Query Match 1.9%; Score 20; DB 13; Length 1756;
Best Local Similarity 100.0%; Pred. No. 6.7;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 406 CCCGCCATGCCATGTCGGT 425
Db 26 CCCGCCATGCCATGTCGGT 7

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Search completed: August 7, 2004, 13:44:07
 Job time : 517.675 secs

Result No.	Score	Query Match	Length	DB ID	Description	Summaries
c 1	46.4	2.8	7218	1	US-08-332-433-14	Sequence 14, Appli
c 2	4.2	2.6	832	4	US-09-621-976-2813	Sequence 2813, Appli
c 3	43.4	2.6	640681	4	US-09-790-988-1	Sequence 1, Appli
c 4	42.2	2.5	1666	1	US-08-076-000-1	Sequence 1, Appli
c 5	42.2	2.5	1666	5	PCT-US94-06661-1	Sequence 1, Appli
c 6	42.2	2.5	2500	1	US-08-550-215-10	Sequence 10, Appli
c 7	42.2	2.5	3385	1	US-09-411-449-3	Sequence 3, Appli
c 8	42.2	2.5	3496	4	US-09-411-449-1	Sequence 1, Appli
c 9	42.2	2.5	3805	4	US-09-411-449-4	Sequence 4, Appli
c 10	42.2	2.5	3916	4	US-09-411-449-2	Sequence 2, Appli
c 11	42.2	2.5	6060	5	PCT-US96-05430-7	Sequence 7, Appli
c 12	42	2.5	1440	4	US-09-107-532A-589	Sequence 2589, Appli
c 13	41.2	2.5	640681	4	US-09-790-988-1	Sequence 1, Appli
c 14	41	2.4	505	4	US-09-621-976-15639	Sequence 15639, Appli
c 15	39.8	2.4	6317	4	US-10-204-708-11	Sequence 11, Appli
c 16	39.6	2.4	837	3	US-08-998-116-288	Sequence 288, Appli
c 17	39.6	2.4	7218	1	US-08-232-633-14	Sequence 14, Appli
c 18	39.2	2.3	6070	4	US-10-204-708-9	Sequence 9, Appli
c 19	39.2	2.3	19233	4	US-10-204-708-45	Sequence 45, Appli
c 20	39	2.3	731	1	US-08-451-405A-2	Sequence 2, Appli
c 21	39	2.3	2251	3	US-08-916-677-11	Sequence 11, Appli
c 22	39	2.3	8607	4	US-10-204-708-71	Sequence 71, Appli
c 23	39	2.3	1664976	4	US-08-916-421B-1	Sequence 1, Appli
c 24	39	2.3	1664976	4	US-08-916-421B-1	Sequence 1, Appli
c 25	38.8	2.3	832	4	US-09-621-976-3813	Sequence 2813, Appli
c 26	38.8	2.3	2169	4	US-09-434-408-3	Sequence 3, Appli
c 27	38.8	2.3	6182	4	US-10-204-708-88	Sequence 88, Appli

ALIGNMENTS

RESULT 1
US-08-232-463-14/C
; Sequence 14, Application US/08232463

; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOMLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,463
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/935,313
FILING DATE:
APPLICATION NUMBER: EP 91 114 300 6
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
TELEPHONE: (703) 683-4109
TELEFAX: (703) 683-4109
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 836-9300
TELEFAX: 899449
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: pTzgpt-P18
US-08-232-463-14

Query Match 2.8%; Score 46.4%; DB 1; Length 7218;

STREET: 1100 Peachtree Street, Suite 2800
 CITY: Atlanta
 STATE: Georgia
 COUNTY: U.S.
 ZIP: 30309-4530
 COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent-In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/076,090
 FILING DATE: 19930611
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Pabst, Pareira L.
 REGISTRATION NUMBER: 31,284
 REFERENCE/DOCKET NUMBER: MIT 6128
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (404) 815-6508
 TELEFAX: (404) 815-6555
 INFORMATION FOR SEQ ID NO: 1:
 LENGTH: 1666 base pairs
 SEQUENCE CHARACTERISTICS:
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 OTHER INFORMATION: /note= "Exon III"
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 CELL TYPE: Beta-globin gene
 FEATURE: misc signal
 NAME/KEY: misc signal
 LOCATION: 37..298
 OTHER INFORMATION: /note= "Intron 2"
 FEATURE:
 NAME/KEY: misc signal
 LOCATION: 1149..1370
 OTHER INFORMATION: /note= "Exon II"
 FEATURE:
 NAME/KEY: misc signal
 LOCATION: 1502..1643
 OTHER INFORMATION: /note= "Exon I"
 US-08-076-090-1

Query Match 2.5%; Score 42.2; DB 1; Length 1666;
 Best Local Similarity 47.5%; Pred. No. 0.18;
 Matches 128; Conservative 0; Mismatches 138; Indels 0; Gaps 0;

Db 864 ATCTAGAGATATTCCATTCTGGTATACACAATGTTAAGCATTAAATAGTAAA 923
 Qy 1331 CATTTGCTGAAAGGAAATAA 1353
 Db 924 ATTGGGAGAGAAATAAAGAAGAA 946

RESULT 5
 PCT-US94-06661-1
 Sequence 1, Application PC/TUS9406661
 ; GENERAL INFORMATION:
 ; APPLICANT:
 ; TITLE OF INVENTION: Retroviral Vectors for Transducing
 ; Beta-Globulin Gene and Beta-Locus Control Region
 ; NUMBER OF SEQUENCES: 5
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DO/MS-DOS
 ; SOFTWARE: Patent-In Release #1.0, Version #1.25 (EPO)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US94/06661
 ; FILING DATE: 10-JUN-1994
 ; CLASSIFICATION:
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1666 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)
 ; HYPOTHETICAL: NO
 ; ANTI-SENSE: NO
 ; ORIGINAL SOURCE:
 ; ORGANISM: Homo Sapiens
 ; CELL TYPE: Beta-globin gene
 ; FEATURE:
 ; NAME/KEY: misc signal
 ; LOCATION: 37..298
 ; OTHER INFORMATION: /note= "Exon III"
 ; FEATURE:
 ; NAME/KEY: misc signal
 ; LOCATION: 1149..1370
 ; OTHER INFORMATION: /note= "Exon II"
 ; FEATURE:
 ; NAME/KEY: misc signal
 ; LOCATION: 1371..1501
 ; OTHER INFORMATION: /note= "Intron 1"
 ; FEATURE:
 ; NAME/KEY: misc signal
 ; LOCATION: 1502..1643
 ; OTHER INFORMATION: /note= "Exon I"
 ; PCT-US94-06661-1

Query Match 2.5%; Score 42.2; DB 5; Length 1666;
 Best Local Similarity 47.5%; Pred. No. 0.18;
 Matches 125; Conservative 0; Mismatches 138; Indels 0; Gaps 0;

Qy 1091 TTTCACCAAAATTAAGTAATCTTTGCTAACCAATAAAATTGAAATC 1150
 Db 684 TGTGTACATATAAAACATACACTTAAACCCATAAATAATGTTAATTTGTATC 743
 Qy 1151 TTTCACCAAAATTAAGTAATCTTTGCTAACCAATAAAATTGAAATC 1150
 Db 744 ATTGAAATAAAAGAAATAAGGGAGATTGAAATGCAATAAGCACATAT 803
 Qy 1211 ATTCAATTGGGAGGTGACTGTAAGTAACTGTAAGTACTAACAGAAATGAGTTCTGTATTT 1270
 Db 804 ATTTCACAAATTAAGTAATGTTAAGTGGCAACTGTAAGTTTAAGTACITTAATCT 863
 Qy 1271 GGATTGAACTTCTCTAGTTAAACAGTATTAACAAATAAGAANA 1330

Query Match 2.5%; Score 42.2; DB 5; Length 1666;
 Best Local Similarity 47.5%; Pred. No. 0.18;
 Matches 125; Conservative 0; Mismatches 138; Indels 0; Gaps 0;

Qy 1091 TTTCACCAAAATTAAGTAATCTTTGCTAACCAATAAAATTGAAATC 1150
 Db 684 TGTGTACATATAAAACATACACTTAAACCCATAAATAATGTTAATTTGTATC 743
 Qy 1151 TTTCACCAAAATTAAGTAATCTTTGCTAACCAATAAAATTGAAATC 1150
 Db 744 ATTGAAATAAAAGAAATAAGGGAGATTGAAATGCAATAAGCACATAT 803
 Qy 1211 ATTTCACAAATTAAGTAATGTTAAGTGGCAACTGTAAGTTTAAGTACITTAATCT 863
 Db 744 ATTCAATTGGGAGGTGACTGTAAGTAACTGTAAGTACTAACAGAAATGAGTTCTGTATTT 1270

RESULT 6

US-08-550-715-10/C

Sequence 10, Application US/08550715

Patent No. 5750345

GENERAL INFORMATION:

APPLICANT: Bowie, Lemuel J.

TITLE OF INVENTION: Human '-Thalassemia Mutations as a Predictor of Blood-Related Disorders

NUMBER OF SEQUENCES: 13

CORRESPONDENCE ADDRESS:

ADDRESSEES: Marshall, O'Toole, Gerstein, Murray & Borun

STREET: 6300 Sears Tower, 233 South Wacker Drive

CITY: Chicago

STATE: Illinois

COUNTRY: United States of America

ZIP: 60606-6402

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/550,715

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Gass, David A.

REGISTRATION NUMBER: 38,153

REFERENCE/DOCKET NUMBER: 28493/32834

TELECOMMUNICATION INFORMATION:

TELEPHONE: 312/474-6300

TELEFAX: 312/474-0448

TELEX: 25-3856

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:

LENGTH: 2500 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

FEATURE:

NAME/KEY: CDS

LOCATION: join(687..778, 909..1131, 1982..2107)

US-08-550-715-10

Query Match 1091 TTTTCCATAGAAATTAAAGTAACTTGTCAACCAATAAAATTATTGAAATTC 863

Best Local Similarity 2.5%; Score 42.2%; DB 1; Length 2500;

Matches 125; Conservative 0; Mismatches 138; Indels 0; Gaps 0;

Db 1416 ATCTAGAGATATTTCCTTGTATACATGTTAAGCTTAAGTAAATAAGTAAA 1357

Qy 1271 GGATTTGAGCTTCTCTAGTTAAAMACAGTATTAACATAAAAGAAA 1330

Db 864 ATCTAGAGATATTCTCTGTATACAACTGTTAACCAATAAGTAAATAAGTAAA 923

Qy 1331 CATTGTTGTGAAAGGAAATAAA 1353

Db 1356 ATTGGGAGAGAAAGAAA 1334

RESULT 7

US-09-411-449-3/C

Sequence 3, Application US/09411449

Patent No. 6524851

GENERAL INFORMATION:

APPLICANT: James Ellis

TITLE OF INVENTION: HYBRID NUCLEIC ACID MOLECULES AND VECTORS INCLUDING FILE REFERENCE: 17860017

FILE REFERENCE: 17860017

CURRENT APPLICATION NUMBER: US/09/411,449

CURRENT FILING DATE: 1999-10-01

PRIOR APPLICATION NUMBER: 2,246,005

PRIOR FILING DATE: 1998-10-01

NUMBER OF SEQ ID NOS: 4

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 3

LENGTH: 3385

TYPE: DNA

ORGANISM: Homo sapiens

US-09-411-449-3

Query Match 1091 TTTTCCATAAATAAAGTAAATTCCTTGTCTAACCTATAAAATTGAAATTC 1150

Best Local Similarity 2.5%; Score 42.2%; DB 4; Length 3385;

Matches 125; Conservative 0; Mismatches 138; Indels 0; Gaps 0;

Db 2128 TGTGACATATTAAACATTACACTTAACCCATAAAATGTATGTTGATGTC 2069

Qy 1151 TTTCACCACTGAAAGTAAATTTGATCAGGATGAAATTTCCTACAAAGCTAGGT 1210

Db 2058 AATTTAAATAAGGAAATAAGTAGGAGTTGATGTTGAAATAGGCAATAT 2009

Qy 1211 ATTCAATTGGGTGTTACTGTTACTGTTACTGTTACCAAGATGTTCTGATT 1270

Db 2008 ATTCAAAATGATGTTACTGTTACTGTTACTGTTACCAAGTGTAAAGTTTGTACTTAATGT 1949

Qy 1211 GGATTTGAGCTTCTAGTTAAACACGTTATTACTAACATAAAAGAAAAAA 1330

Db 1948 ATCTCAGAGATATTCCCTTGTATACATAAGCTTAAGTAAATAAGTAAA 1889

Qy 1331 CATTGTTGAAAGAGAAATAAA 1353

Db 1888 ATTCGGAGAGAAAGAAA 1866

RESULT 8

US-09-411-449-1/C

Sequence 1, Application US/09411449

Patent No. 6524851

GENERAL INFORMATION:

APPLICANT: James Ellis

TITLE OF INVENTION: HYBRID NUCLEIC ACID MOLECULES AND VECTORS INCLUDING FILE REFERENCE: 17860017

CURRENT APPLICATION NUMBER: US/09/411,449

CURRENT FILING DATE: 1999-10-01

PRIOR APPLICATION NUMBER: 2,246,005

PRIOR FILING DATE: 1998-10-01

NUMBER OF SEQ ID NOS: 4

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 1

LENGTH: 3496

TYPE: DNA

ORGANISM: Homo sapiens

Qy 1271 GGATTTGAGCTTCTAGTTAAACAGTAACTACTAACATAAGTAAATAAGAAA 1330

US-09-411-449-1

Query Match 2.5%; Score 42.2; DB 4; Length 3496;

Best Local Similarity 47.5%; Pred. No. 0.23; Indels 0; Gaps 0;

Matches 125; Conservative 0; Mismatches 138; Indels 0; Gaps 0;

RESULT 10

US-09-411-449-2/c

; Sequence 2, Application US/09411449

; Patent No. 6524551

; GENERAL INFORMATION:

; APPLICANT: James Ellis

; TITLE OF INVENTION: HYBRID NUCLEIC ACID MOLECULES AND VECTORS INCLUDING

; FILE REFERENCE: 17860017

; CURRENT APPLICATION NUMBER: US/09/411,449

; CURRENT FILING DATE: 1999-10-01

; PRIOR APPLICATION NUMBER:

; PRIOR FILING DATE: 1998-10-01

; NUMBER OF SEQ ID NOS: 4

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 2

; Matches 125; Conservative 0; Mismatches 138; Indels 0; Gaps 0;

Qy 1091 TTTTCCATAAAATTAAAGTAATCTTGTGCTAACCAATAAAATTATGAAATTC 1150

Db 2239 TGTGTACATCATATAAAATTAACATTAACCCATAATATGATAATGATGATC 2180

Qy 1151 TTTCACCATAGAAAAGTTAAATTGTACAGGTGAAATTGTTGTACAAAGCTAGGT 1210

Db 2179 AATTAATAATAAAAGAAATAACTGGCAAGATTATGATAATGCAAAAGCACAT 2120

Qy 1211 ATTCATTGGGAGTGTACTAACTGTAACCTAACATGAAATGATGTTCTGATT 1270

Db 2119 ATTCCAAATAATGTAATGTACTAGGCAAGACTGTAAAGTTTAAAGTACTTAATGT 2060

Qy 1271 GGATTTGAAGCTTCTTGTAAAGTTAAACAGTATAATCTAAACATAAAAGAAAA 1330

Db 2059 AATCAGAGATAATTCCTTGTATACAAATGTAAGCAATGATAGTAA 2000

Qy 1331 CATTTGTGAAAGAGAAATAAA 1353

Db 1999 ATTGCGGAGAAGAAAGAA 1977

; Query Match 2.5%; Score 42.2; DB 4; Length 3916;

; Best Local Similarity 47.5%; Pred. No. 0.24;

; Matches 125; Conservative 0; Mismatches 138; Indels 0; Gaps 0;

; RESULT 9

US-09-411-449-4/c

; Sequence 4, Application US/09411449

; GENERAL INFORMATION:

; APPLICANT: James Ellis

; TITLE OF INVENTION: HYBRID NUCLEIC ACID MOLECULES AND VECTORS INCLUDING

; FILE REFERENCE: 17860017

; CURRENT APPLICATION NUMBER: US/09/411,449

; CURRENT FILING DATE: 1999-10-01

; PRIOR APPLICATION NUMBER: 2,246,005

; NUMBER OF SEQ ID NOS: 4

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 4

; LENGTH: 3805

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-411-449-4

Qy 1091 TTTTCCATAAAATTAAAGTAATCTTGTGCTAACCAATAAAATTATGAAATTC 1150

Db 2659 TGTGTACATATAAACTACACTAACCCATAATATGATAATGATGATC 2600

Qy 1151 TTTCACCATAGAAAAGTTAAATTGTACAGGTGAAATTGTTGTACAAAGCTAGGT 1210

Db 2599 AATTAATAATAAAAGAAATAAAAGTAGGGAGATTGATAATGCAAAATAAGCACAT 2540

Qy 1211 ATTCATTGGGAGTGTACTAACTGTAACCTAACATGAAATGATGTTCTGATT 1270

Db 2539 ATTCCAAATAATGTAATGTAACCTAACATGAAATGATGTTCTGATT 2480

Qy 1271 GGATTGGAAGCTTCTTGTAAAGTTAAACAGTATACTAAACATAAAAGAAAA 1330

Db 2479 ATCTCAGAGATATTCCTTGTATAACATGTAAAGGCTTAACTATAGTAA 2420

Qy 1331 CATTTGTGAAAGAGAAATAAA 1353

Db 2419 ATTGGGAGAAGAAAGAAAGAA 2397

; RESULT 11

PCT-US96-09430-7/c

; Sequence 7, Application PC/US9609430

; GENERAL INFORMATION:

; APPLICANT: Glazer, Peter M.

; TITLE OF INVENTION: TREATMENT OF HEMOGLOBINOPATHIES

; NUMBER OF SEQUENCES: 23

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: OnoPharm, Inc.

; STREET: 200 Perry Parkway

; CITY: Gaithersburg

; STATE: Maryland

; ZIP: 20877

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatientIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: PCT/US96/09430

; FILING DATE:

; CLASIFICATION:

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER: US 08/473,845

; FILING DATE: 07-JUN-1995

; ATTORNEY/AGENT INFORMATION:

Qy 1091 TTTTCCATAAAATTAAAGTAATCTTGTGCTAACCAATAAAATTATGAAATTC 1150

Db 2548 ATTCCAAATAATGTAATGAAATCATTAACCTTAACCCATAATATGATAATGATC 2489

Qy 1151 TTTCACCATAGAAAAGTTAAATTGTACAGGTGAAATTGTTCTGATT 1210

Db 2488 ATTAAAATAAAAGAAATAAAAGTAGGGAGATTGATAATGCAAAATGACACAT 2429

Qy 1211 ATTTCATTGGGAGTGTACTAACTGTAACCTAACATGAAATGATGTTCTGATT 1270

Db 2428 ATTCCAAATAATGTAATGAAATCATTAACCTTAACCCATAATATGATAATGATC 2369

Qy 1271 CGATTGGAAGCTTCTTGTAAAGTTAAACAGTATACTAAACATAAAAGAAAA 1330

Db 2368 ATTCTCAGAGATATTCCTTGTATAACATGTAAAGGCTTAACTATAGTAA 2309

Qy 1331 CATTTGTGAAAGAGAAATAAA 1353

Db 2308 ATTGGGAGAAGAAAGAAAGAA 2286

APPLICATION NUMBER: 60/051571
 FILING DATE: July 2, 1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Ariniello, Pamela Deneke
 REFERENCE/DOCKET NUMBER: PA-0040
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 301-527-2058
 TELEFAX: 301-208-6997
 INFORMATION FOR SEQ ID NO: 7
 SEQUENCE CHARACTERISTICS:
 LENGTH: 6060 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Homo sapiens
 POSITION IN GENOME:
 CHROMOSOME/SEGMENT: 11
 PCT-US96-09430-7

Query Match 2.5%; Score 42.2; DB 5; Length 6060;
 Best Local Similarity 47.5%; Pred. No. 0.29; Gaps 0;
 Matches 125; Conservative 0; Mismatches 138; Indels 0; Gaps 0;

Qy 1091 TTTTCCATAAATTAAGTAAATCTTTGCTAACCAATAAAATTATTGAAATC 1150
 Db 3096 TGTGACATATTAAACATACCTTAACCTTAAATGTATAATGTTATGTC 3037
 Qy 1151 TTCCAACATAGAAAAGTTAAATTGATCACCGATGAAATTGTCACAGTGT 1210
 Db 3036 AATTAAAATAAAAGAAAATAAAAGTGGAGATTGATGAAATAGCACAT 2977

Qy 1211 ATTCAATTGGACTGTTACTGTAACGTTAACTGTAAGTAACTGTTCTGATT 1270
 Db 2976 ATTCCAAATGTAATGTTAACTGCACTGGCAGTGTAACTTTTAACTTATGT 2917

Qy 1271 GGATTGAAAGCTTCTAGTTAAAAACAGTAACTTAACTAAATAAAGAAA 1330
 Db 2916 ATCTCAGAGATATTCCTTGTATACATGTTAAGGCATTAGTATAAGTAAA 2857

Qy 1331 CATTGGAAAGGAAATAA 1353
 Db 2856 ATTGGGGAAAGAAAAAGA 2834

RESULT 13
 US-09-790-988-1/C
 Sequence 1, Application US/09790988
 Patent No. 6632935

GENERAL INFORMATION:
 APPLICANT: SHIGENOBU, SHUJI
 PATENT NO. 658275
 NUMBER OF SEQUENCES: 7310
 CORRESPONDENCE ADDRESS:
 APPLICANT: Lynn A Doucette-Stamm and David Bush
 TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO
 ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
 STREET: 100 Beaver Street
 CITY: Waltham
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02454

COMPUTER READABLE FORM:
 MEDIUM TYPE: CD/ROM ISO9660
 COMPUTER: PC
 OPERATING SYSTEM: <Unknown>
 SOFTWARE: ASCII

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/107,532A
 FILING DATE: 30-Jun-1998
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 60/085,598
 FILING DATE: 14 May 1998

INFORMATION FOR SEQ ID NO: 2589:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1440 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: circular
 MOLECULE TYPE: DNA (genomic)
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Enterococcus faecium
 FEATURE:
 NAME/KEY: misc feature
 LOCATION: (B) LOCATION 1...1440
 SEQUENCE DESCRIPTION: SEQ ID NO: 2589:
 US-09-107-532A-2589

Query Match 2.5%; Score 42; DB 4; Length 1440;
 Best Local Similarity 54.5%; Pred. No. 0.19; Gaps 0;
 Matches 84; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

Qy 1297 AAAACAGTATTACTAAACATAMAGAAAACATTTTGTAAAGAGAAATAAGTT 1356
 Db 102 AAGAAATCTAAACCACATCAAGCAAAATTCGAAACAGGTGTAAACAGAAATCAGTT 161

Qy 1357 TACTGACCCATTGTACAGATGGCCATATAATACTGATAAGATAGGCAATGGA 1416
 Db 162 ATCTGACAAAGAAATCTAAAGGGCAGATGCAATCTTCGAGTAGATAAAGAAATCGA 221

Qy 1417 ATGTTATTGTTCACTGTTCAATCGGAATGTT 1450
 Db 222 ATTGGACCGATTGCCCCGAAAAAGTAAAGCT 255

RESULT 13
 US-09-790-988-1/C
 Sequence 1, Application US/09790988
 Patent No. 6632935

GENERAL INFORMATION:
 APPLICANT: SHIGENOBU, SHUJI
 PATENT NO. 658275
 NUMBER OF SEQUENCES: 7310
 CORRESPONDENCE ADDRESS:
 APPLICANT: SAKAKI, YOSHIO
 TITLE OF INVENTION: GENOME DNA OF BACTERIAL Symbiont OF APHIDS
 FILE REFERENCE: 081356/0159
 CURRENT FILING DATE: 2001-02-23
 PRIORITY APPLICATION NUMBER: JP2000-107160
 PRIOR FILING DATE: 2000-04-07
 NUMBER OF SEQ ID NOS: 7
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 1
 LENGTH: 640681
 TYPE: DNA
 ORGANISM: Buchnera sp.
 US-09-790-988-1

Query Match 2.5%; Score 41.2; DB 4; Length 640681;
 Best Local Similarity 52.3%; Pred. No. 2.7;
 Matches 91; Conservative 0; Mismatches 83; Indels 0; Gaps 0;

Qy 1238 AGTAACTAACCGAAATGAGTTCTGATTTCGATTGTTGAGCTTCTCTAGGTTAA 1227
 Db 68453 AGACAGTATTATTAACCTTGTATCATTGATTTAATACAAACGGTGTATATTAG 68394



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OM nucleic - nucleic search, using sw model

Run on: August 7, 2004, 06:40:17 ; Search time 803.105 Seconds

(without alignments)
10238.472 Million cell updates/sec

Title: US-09-938-842A-3729

Perfect score: 1677

Sequence: 1 ggtaaaggctttactatg.....tttctcgtatattttat 1677

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 3222919 seqs, 2451570024 residues

Total number of hits satisfying chosen parameters:

6445839

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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19: /cgna_6/_ptodata/1/_pubpna/_US60_N_60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution

SUMMARIES

Result No. Score Query Match Length DB ID Description

Result No.	Score	Query Match	Length	DB ID	Description
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2	1677	100.0	1677	11	US-09-938-842A-3729
c 3	52.4	3.1	2000	9	US-09-887-576-73
c 4	49.6	3.0	858	15	US-10-198-846-7035
c 5	49.2	2.9	3613778	15	US-10-312-841-2
c 6	49	2.9	3613778	15	US-10-312-841-1
c 7	48.6	2.9	20933	17	US-10-433-93-154
c 8	47.8	2.9	2958	11	US-09-938-842A-338
c 9	47.8	2.9	2958	11	US-09-938-842A-338
c 10	46.6	2.8	516	9	US-09-960-352-5785
c 11	46.6	2.8	789	13	US-10-282-122A-15640
c 12	46.4	2.8	610	17	US-10-021-323-2212
c 13	46.4	2.8	7047	15	US-10-240-453-259
c 14	46.4	2.8	17848	15	US-10-239-676-28

Sequence 38, Appl
Sequence 58, Appl
Sequence 28, Appl
Sequence 195, Appl
Sequence 233686,
Sequence 233686,
Sequence 12272, A
Sequence 2829, Ap
Sequence 2829, Ap
Sequence 4676, Ap
Sequence 10975, A
Sequence 4 038, Ap
Sequence 4038, Ap
Sequence 6375, Ap
Sequence 31704, A
Sequence 424, Ap
Sequence 1906, Ap
Sequence 2118, Ap
Sequence 230, Ap
Sequence 4304, Ap
Sequence 1228, Ap
Sequence 112, Ap
Sequence 257, Ap
Sequence 254, Ap
Sequence 386, Ap
Sequence 1, Appl
Sequence 1238, Ap
Sequence 9862, Ap
Sequence 1280, Ap
Sequence 458, Ap
Sequence 451, Ap

ALIGNMENTS

RESULT 1
US-09-938-842A-3729
i Sequence 3729, Application US/09938842A
i Patent No. US201061378A1
i GENERAL INFORMATION:
i APPLICANT: Harper, Jeff
i APPLICANT: Kreps, Joel
i APPLICANT: Wang, Xun
i APPLICANT: Zhu, Tong
i TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
i TITLE OF INVENTION: SAME, AND METHODS OF USE
i FILE REFERENCE: SCRIP1300-3
i CURRENT APPLICATION NUMBER: US/09/938-842A
i PRIOR APPLICATION NUMBER: US/09/938-842A
i LENGTH: 1677
i TYPE: DNA
i ORGANISM: Arabidopsis thaliana
i US-09-938-842A-3729
Query Match 100.0%; Score 1677; DB 9; Length 1677;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1677; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGTAAAGCGTTTACTATGGTTATGCAACGGAAAGATAATGGCATATGGAAATGC 60
Db 1 GGTAAAGCGTTTACTATGGTTATGCAACGGAAAGATAATGGCATATGGAAATGC 60
QY

Db	61	TTTTTCAGATCATCAAGGCTTACAGATTCTAGGGAAATGGTTCTAGGCTTTGGTTA	120	Qy	1201	AAAGCTAGGTATTCTATTGGGACTTGTACTAGTAACATGAACTAACCAGATGAGT	1260
Qy	121	GAATTTGTATTATGGCAACGGTAGAGACATTAACCATAGACAGATTTATCTGAAGAGA	180	Db	1201	AAAGCTAGGTATTCTATTGGGACTTGTACTAGTAACATGAACTAACCAGATGAGT	1260
Db	121	GAATTTGTATTATGGCAACGGTAGAGACATTAACCATAGACAGATTTATCTGAAGAGA	180	Qy	1261	TTCTGATTCTGGATTGGCTTCTAGGTAAACAACTATTAACAAAT 1320	
Qy	181	TAAGCTTCTCTATGCTAAAGAAATGGCCGATAGAAATACAGCATCATTAAAGT	240	Db	1261	TTCTGATTCTGGATTGGCTTCTAGGTAAACAACTATTAACAAAT 1320	
Db	181	TAAGCTTCTCTATGCTAAAGAAATGGCCGATAGAAATACAGCATCATTAAAGT	240	Qy	1321	AAAAGAAAACATTGGTAAAGAATTAACCTTACTGGCCCATGTAGATGG 1380	
Qy	241	TAATGGTTGTTGAAAGAACTACATTTATGTAATTGTGTGGTTAGTGAAGT	300	Db	1321	AAAAGAAAACATTGGTAAAGAATTAACCTTACTGGCCCATGTAGATGG 1380	
Db	241	TAATGGTTGTTGAAAGAACTACATTTATGTAATTGTGTGGTTAGTGAAGT	300	Qy	1381	TCCCCATAATAACTGATAGAACTAGGAAACTGATGGAAACTGTTAGGTGTACAA	1440
Qy	301	AAAACATGGAAATCCAAACCTCAATTACCAATCAGCCAAATTATGATGCTGGCG	360	Db	1381	TCCCCATAATAACTGATAGAACTAGGAAACTGATGGAAACTGTTAGGTGTACAA	1440
Db	301	AAAACATGGAAATCCAAACCTCAATTACCAATCAGCCAAATTATGATGCTGGCG	360	Qy	1441	TGGGAACTGGTCTTAAGCTCATGAAACACATCAGGACCTGATTTCGGCATCAA	1500
Qy	361	TAATGATGGTATGCTGATGGAAACTGGTGGCTCGGAAATTACACATTTC	420	Db	1441	TGGGAACTGGTCTTAAGCTCATGAAACACATCAGGACCTGATTTCGGCATCAA	1500
Db	361	TAATGATGGTATGCTGATGGAAACTGGTGGCTCGGAAATTACACATTTC	420	Qy	1501	AAAGCGTTGATACTACATTCTACTGTTCTGTCTGCTCTATAATACTGACCACT	1560
Qy	421	CCTCTCTGGTGACGGAACTCTGTAATCGAAAAGGTGAACCCACTTT	480	Db	1501	AAAGCGTTGATACTACATTCTACTGTTCTGTCTGCTCTATAATACTGACCACT	1560
Db	421	CCTCTCTGGTGACGGAACTCTGTAATCGAAAAGGTGAACCCACTTT	480	Qy	1561	ACATTCTAGTAATCTCTTGGAGCTTAACCGCTTAACCTTCCATTGTATCC	1620
Qy	481	AGGCCCTAAAGCTTACTACCCGTTGACCGGTTATAATTGGTGTAACTTACCC	540	Db	1561	ACATTCTAGTAATCTCTTGGAGCTTAACCGCTTAACCTTCCATTGTATCC	1620
Db	481	AGGCCCTAAAGCTTACTACCCGTTGACCGGTTATAATTGGTGTAACTTACCC	540	Qy	1621	GCTTAAACAACTCTGGTCTGCTCATCTCCACCGTCGTTGGCTTAACCTTCCATTGTATCC	1677
Qy	541	GGATCCCTTGTGTTGTTATCTCAAGGCCACGGTATGCCAATATTGGTGTAGTG	600	Db	1621	GCTTAAACAACTCTGGTCTGCTCATCTCCACCGTCGTTGGCTTAACCTTCCATTGTATCC	1677
Db	541	GGATCCCTTGTGTTGTTATCTCAAGGCCACGGTATGCCAATATTGGTGTAGTG	600				
Qy	601	GTTAGGGAAATGGGGCGGAATAGTGGCTAGCCACAAATGTTGCTGAACTGAG	660				
Db	601	GTTAGGGAAATGGGGCGGAATAGTGGCTAGCCACAAATGTTGCTGAACTGAG	660				
Qy	661	AGAGTAGGGTCCAGCTTGGGCCACATCACATTTCGTTGCTGCTTCTGG	720				
Db	661	AGAGTAGGGTCCAGCTTGGGCCACATCACATTTCGTTGCTGCTTCTGG	720				
Qy	721	TGCTTACGGTCCCTCTGGTGTGTTGATGTTGCTGCTTCTGGTTAA	780				
Db	721	TGCTTACGGTCCCTCTGGTGTGTTGATGTTGCTGCTTCTGGTTAA	780				
Qy	781	CCCGAAAAGTACCAAACTGAAATAGTTGAACTCTAGTACATGGCTCG	840				
Db	781	CCCGAAAAGTACCAAACTGAAATAGTTGAACTCTAGTACATGGCTCG	840				
Qy	841	AACCTACATCATTCGATTACTTGTGTTGCTGTTGCTGTTGCTGTTAA	900				
Db	841	AACCTACATCATTCGATTACTTGTGTTGCTGTTGCTGTTGCTGTTAA	900				
Qy	881	AACCTACATCATTCGATTACTTGTGTTGCTGTTGCTGTTGCTGTTAA	900				
Db	901	CCGGATTCTACAGTACAACTGACATTAAGTATGCTGTTGCTGTTGCTGTTAA	960				
Qy	901	CCGGATTCTACAGTACAACTGACATTAAGTATGCTGTTGCTGTTGCTGTTAA	960				
Db	961	AAAGGACCGACGATAGGAGGATTGGAAACAGGATTATCCATAGACACTA	1020				
Qy	961	AAAGGACCGACGATAGGAGGATTGGAAACAGGATTATCCATAGACACTA	1020				
Db	1021	ATTAGCTTCTGGTGGCGACGGCTTGGATGGCTTGGATGGCTTGGATGGCTTGG	1080				
Qy	1021	ATTAGCTTCTGGTGGCGACGGCTTGGATGGCTTGGATGGCTTGGATGGCTTGG	1080				
Db	1081	GGCTTACAGCTTCTGGATGGCTTGGATGGCTTGGATGGCTTGGATGGCTTGG	1140				
Qy	1081	GGCTTACAGCTTCTGGATGGCTTGGATGGCTTGGATGGCTTGGATGGCTTGG	1140				
Db	1141	ATTGAAAATCTTCCAAACCAATAGAAAAAGTAAATTGATCAGGGATGAAATTGGTAC	1200				
Qy	1141	ATTGAAAATCTTCCAAACCAATAGAAAAAGTAAATTGATCAGGGATGAAATTGGTAC	1200				
Db	1141	ATTGAAAATCTTCCAAACCAATAGAAAAAGTAAATTGATCAGGGATGAAATTGGTAC	1200				

RESULT 2
US-09-938-842A-3729
; Sequence 3729, Application US/0938842A
; Publication No. US20040009476A9
; GENERAL INFORMATION:
; APPLICANT: Harper, Jeff
; APPLICANT: Kreps, Joel
; APPLICANT: Wang, Xun
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; TITLE OF USE: SAME, AND METHODS OF USE
; FILE REFERENCE: SCRIPT130-3
; CURRENT APPLICATION NUMBER: US/09/938-842A
; CURRENT FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO: 3729
; LENGTH: 1677
; TYPE: DNA
; ORGANISM: *Aralidopsis thaliana*
US-09-938-842A-3729

Query Match Score 100.0%; Score 1677; DB 11; Length 1677;
Best Local Similarity 100.0%; Pred. No. 0; Mismatches 0; Indels 0; Gaps 0;
Matches 1677;
Qy 1 GGTAAAGCGTTTACTATGGTTATCTCAACGAAAGATATTGCTTGGTGAATGC 60
Db 1 GGTAAAGCGTTTACTATGGTTATCTCAACGAAAGATATTGCTTGGTGAATGC 60
Qy 61 TTTCAGATCATCAAAGCTTACAGATTCTAGGGAAATGGTTCAAGGCTTTGGTTA 120
Db 61 TTTCAGATCATCAAAGCTTACAGATTCTAGGGAAATGGTTCAAGGCTTTGGTTA 120

QY 121 GAAATGTTTATTGCAACAGTAGAGAACATAACCATAGACAGATGATCTCGAAGAGA 180
 Db 121 GAAATGTTTATTGCAACAGTAGAGAACATAACCATAGACAGATGATCTCGAAGAGA 180
 QY 181 TAAGCTCTCTATGCTAAAGAACATTGACGATACCGAATAAGCATATAAAGAT 240
 Db 181 TAAGCTCTCTATGCTAAAGAACATTGACGATACCGAATAAGCATATAAAGAT 240
 QY 241 TAATGGTTGTAGAAATTAACATATTGTAATTGTTGGTAGTCAAAGT 300
 Db 241 TAATGGTTGTAGAAATTAACATATTGTAATTGTTGGTAGTCAAAGT 300
 QY 301 AAAACATCGGAATCCAAACCTGAAATTACCAATCAGCCAAATTGATGCTGGG 360
 Db 301 AAAACATCGGAATCCAAACCTGAAATTACCAATCAGCCAAATTGATGCTGGG 360
 QY 361 TAATGAATGGTAGTGTGAGGCAAAGTGGCTGGCAAATTACACATTATC 420
 Db 361 TAATGAATGGTAGTGTGAGGCAAAGTGGCTGGCAAATTACACATTATC 420
 QY 421 CCTCTGTTGGACCCGATCTGTAATCGGAAACCCATTGGTTAACCTTT 480
 Db 421 CCTCTGTTGGACCCGAACTCTGTAATCGGAAACCCATTGGTTAACCTTT 480
 QY 481 AAGCTTAAGGGTAACTACCGGTTGACGGTTATAATTGGTTAACCTTAATGCC 540
 Db 481 AAGCTTAAGGGTAACTACCGGTTGACGGTTAACCTTAATGCC 540
 QY 541 GGATCGGTTGTTGTTAACTCAAGGCCAACGGTGAACCCACTGGTTAACCTT 600
 Db 541 GGATCGGTTGTTGTTAACTCAAGGCCAACGGTGAACCCACTGGTTAACCTT 600
 QY 601 GGTAGGGATGGGGCGAATGGCTAGTGGCTAACATGGGAACTGAG 660
 Db 601 GGTAGGGATGGGGCGAATGGCTAGTGGCTAACATGGGAACTGAG 660
 QY 661 AGAGTAGGTTCAAGCCACATTCAATTTCGTTTGTAGCCTTCTTTCTGG 720
 Db 661 AGAGTAGGTTCAAGCCACATTCAATTTCGTTTGTAGCCTTCTTTCTGG 720
 QY 721 TGCTTACGGTCCCTCTGGCTGGTAGTACAGTAGCTAGTGGTCAA 780
 Db 721 TGCTTACGGTCCCTCTGGCTGGTAGTACAGTAGCTAGTGGTCAA 780
 QY 781 CCGGAAAGGTACCAAGGATAAAATAGTTGAACTTGTGGAACTGAG 840
 Db 781 CCGGAAAGGTACCAAGGATAAAATAGTTGAACTTGTGGAACTGAG 840
 QY 841 AATTACACATATTGCTGTTACTTTGATCTGATTCTGTTCTATGTTTAAT 900
 Db 841 AATTACACATATTGCTGTTACTTTGATCTGATTCTGTTCTATGTTTAAT 900
 QY 901 CCGGATGTTACAGTAGCAACAGTAGCTGTTACTTTGATCTGTTCTATGTTTAAT 960
 Db 901 CCGGATGTTACAGTAGCAACAGTAGCTGTTACTTTGATCTGTTCTATGTTTAAT 960
 QY 961 AAGGACTGGACATAGGAGATTGGGATCTGGCAAGGATTATCCATAGACACTA 1020
 Db 961 AAGGACTGGACATAGGAGATTGGGATCTGGCAAGGATTATCCATAGACACTA 1020
 QY 1021 ATAGCTTITGTTGCTGGCCAGCTGGGATCTGGCTAACCCAACTATG 1080
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 QY 1081 GGTTTACGGTTTCCATAAATTAAAGTAATCTTTTGCTTAACCAATAAAATT 1140
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 QY 1141 ATGAAATCTTCACCAACCTAGAAAGTTAACATGGGATGAAATTTTGTC 1200
 Db 1141 ATGAAATCTTCACCAACCTAGAAAGTTAACATGGGATGAAATTTTGTC 1200
 QY 1201 AAGCTAGTGTATTCAATTGGGAGTGTACTAGTAACTAGTAACTAGAATGAGT 1260

Db 1201 AAACCTAGTATTCAATTGGGAGTGTACTAGTAACTAGTAACTAGAATGAGT 1260
 QY 1261 TTCTGATTTGGATTGAGCTTCTGGACTGTACTAGTAACTAGTAACTAGAATGAGT 1320
 Db 1261 TTCTGATTTGGATTGAGCTTCTGGACTGTACTAGTAACTAGTAACTAGAAT 1320
 QY 1321 AAAGAAAAACATTGTTGAAAGGAAATAAGTTACTGGACCCATTGTCAGATGG 1380
 Db 1321 AAAGAAAAACATTGTTGAAAGGAAATAAGTTACTGGACCCATTGTCAGATGG 1380
 QY 1381 TCCCATTAATTAATCTGAAAGGAAATAAGTTACTGAAAGGAAACTGTTTACGCGTGTACA 1440
 Db 1381 TCCCATTAATTAATCTGAAAGGAAATAAGTTACTGAAAGGAAACTGTTTACGCGTGTACA 1440
 QY 1441 TCGGAATGGCTCTTAAAGCTCATGAACTTGTGTTAACATGTTTCCGGCATCAA 1500
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 Db 1501 AAAGCGTGAATAATTCTGTTAACATGTTTCCGGCTTATATAATCTGACGAGTC 1560
 QY 1561 ACATTATGAAATCTCCTTGGACTCTGTAACGGCTTAACAGATTCTCCCATGTTATC 1620
 Db 1561 ACATTATGAAATCTCCTTGGACTCTGTAACGGCTTAACAGATTCTCCCATGTTATC 1620
 QY 1621 GCTTTAACAACTCTCGTGTCTCTCACCGTTCGTTTCTCTCGTGTATATTAA 1677
 Db 1621 GCTTTAACAACTCTCGTGTCTCTCACCGTTCGTTTCTCTCGTGTATATTAA 1677

RESULT 3
 US-09-887-516-73/C
 Sequence 73, Application US/09887576
 Patent No. US2002014047A1
 GENERAL INFORMATION:
 ; APPLICANT: Budworth, P.
 ; APPLICANT: Brown, D.
 ; APPLICANT: Chang, H.
 ; APPLICANT: Zhu, T.
 ; APPLICANT: Han, B.
 ; APPLICANT: Wang, X.
 ; APPLICANT: Cooper, Bret
 ; TITLE OF INVENTION: Promoters for regulation of plant expression
 ; FILE REFERENCE: 1160_001US1
 ; CURRENT APPLICATION NUMBER: US/09/887_576
 ; CURRENT FILING DATE: 2001-06-25
 ; PRIORITY NUMBER: US 60/213, 848
 ; PRIORITY FILING DATE: 2000-06-23
 ; PRIORITY NUMBER: US 60/214, 087
 ; PRIORITY FILING DATE: 2000-06-23
 ; PRIORITY NUMBER: US 60/258, 652
 ; PRIORITY FILING DATE: 2000-12-29
 ; NUMBER OF SEQ ID NOS: 875
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 73
 ; LENGTH: 2000
 ; TYPE: DNA
 ; ORGANISM: Arabidopsis thaliana
 US-09-887-576-73

Query Match 3.1%; Score 52.4%; DB 9; Length 2000;
 Best Local Similarity 47.1%; Pred. No. 0.075;
 Matches 161; Conservative 0; Mismatches 181; Indels 0; Gaps 0;

QY 1075 AGTATGGGCTTACAGCTTCTCCATAAATAAGTAATCTTTCGCTTAACCAATA 1134
 Db 1075 AGTATGGGCTTACAGCTTCTCCATAAATAAGTAATCTTTCGCTTAACCAATA 1134
 QY 1135 AAAATTATGAAATACTTCCAAACCATAGAAAAGTTGAAATTGATCGCGATGGAAATT 1194
 Db 1135 AAAATTATGAAATACTTCCAAACCATAGAAAAGTTGAAATTGATCGCGATGGAAATT 1194
 QY 959 AGAAAATGAACTTCAATTGGCTTAAACTGTCTATTATTTGTTATGATATCAT 900

RESULT 4
US-10-198-846-7035/C
Sequence 7035, Application US/10198846
/ GENERAL INFORMATION
/ Publication No. US2003009974A1
/ APPLICANT: Lillie, James
/ APPLICANT: Xu, Yongyao
/ APPLICANT: Wang, Youzhen
/ APPLICANT: Steinmann, Kathleen
/ TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
/ TITLE OF INVENTION: FOR IDENTIFICATION OF BREAST CANCER
/ FILE REFERENCE: MRI-049
/ CURRENT FILING DATE: 2002-07-18
/ PRIOR APPLICATION NUMBER: 60/306,220
/ PRIOR FILING DATE: 2001-07-18
/ NUMBER OF SEQ ID NOS: 14084
/ SOFTWARE: Fast-SEQ for Windows Version 4.0
/ SEQ ID NO: 7035
/ LENGTH: 858
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE: misc_feature
/ NAME/KEY: misc_feature
/ LOCATION: 137, 182, 183, 184, 185, 186, 187, 188, 209, 211, 212, 217,
/ LOCATION: 219, 224, 225, 236, 237, 238, 240, 241, 242, 243, 250, 252,
/ LOCATION: 253, 259, 276, 279, 281, 294, 298, 304, 306, 315, 318, 319,
/ LOCATION: 320, 321, 327, 338, 349, 350, 352, 355, 363, 378, 379
/ OTHER INFORMATION: n = A, T, C or G
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: 380, 386, 389, 393, 398, 400, 408, 410, 414, 434, 441,
/ LOCATION: 443, 446, 451, 459, 466, 488, 490, 497, 498, 499, 501, 503,
/ LOCATION: 506, 509, 513, 517, 526, 528, 529, 536, 550, 557, 562,
/ LOCATION: 564, 565, 573, 576, 588, 599, 604, 607, 616, 617, 619
/ OTHER INFORMATION: n = A, T, C or G
/ FEATURE:
/ NAME/KEY: misc_feature
/ LOCATION: 627, 628, 643, 649, 661, 668, 672, 680, 689, 706, 719,
/ LOCATION: 722, 735, 739, 750, 763, 765, 769, 771, 772, 774, 784, 787,
/ LOCATION: 790, 791, 792, 795, 798, 805, 814, 816, 819, 820, 822,
/ LOCATION: 832, 833, 838, 842, 847, 849, 850, 853, 856, 857
/ OTHER INFORMATION: n = A, T, C or G

RESULT 5
US-10-312-841-2/C
Sequence 2, Application US/10312841
/ Publication No. US20030186277A1
/ GENERAL INFORMATION
/ APPLICANT: Epigenomics AG
/ TITLE OF INVENTION: Diagnose von bedeutenden genetischen Parametern innerhalb des MHC
/ FILE REFERENCE: E01/1208/WO
/ CURRENT APPLICATION NUMBER: US/10/312,841
/ CURRENT FILING DATE: 2002-12-30
/ NUMBER OF SEQ ID NOS: 2
/ SEQ ID NO: 2
/ LENGTH: 3673778
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
/ FEATURE:
/ NAME/KEY: unsure
/ LOCATION: (379615)
/ US-10-312-841-2

Query Match 2.9%; Score 49.2; DB 15; Length 3673778;
Best Local Similarity 49.2%; Pred. No. 27; Mismatches 133; Indels 0; Gaps 0;
Matches 129; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1096 CCATAAATTAAGATAATCTTTCCTAACAAATAAAATATTGAAATTCTTCC 1155
Db 2005659 CCATAAATCTTAATAAAACCCCTAACTCTTAACACCCCAAAATTCTCAAATAAA 2005600
Qy 1156 AACCATGAAAAGCTTAATTGATCAGGGATGGAATTTTGTCAAAGCTAGGTATTTC 1215
Db 2005599 CGAAACCCRAAACAAACAAACAAATAAAACATACACATACACG 2005540
Qy 1216 ATTTGGGTGTACTAGTACTAACTAACAGATGGTTCTGATTTGGATT 1275
Db 2005539 ATATATAAAACATACATTAATAATTAACAAATACTTAACTTAAATAAT 2005480
Qy 1276 TTGAGCTTTCTAGTTAAACACAGTATTAACATTAACAAATAAAACATT 1335
Db 2005479 TCATAAATAATAATTAATTAATTAATCATACATACATACATACAC 2005420
Qy 1336 TGTTAAAGAGAAATAAGTT 1357
Db 2005419 ACCAAAATAATAAAATAAAATTT 2005398

RESULT 6
US-10-312-841-1/C
Sequence 1, Application US/10312841
/ Publication No. US20030186277A1
/ GENERAL INFORMATION
/ APPLICANT: Epigenomics AG
/ TITLE OF INVENTION: Diagnose von bedeutenden genetischen Parametern innerhalb des MHC
/ FILE REFERENCE: E01/1208/WO
/ CURRENT APPLICATION NUMBER: US/10/312,841
/ CURRENT FILING DATE: 2002-12-30

Query Match 3.0%; Score 49.6; DB 15; Length 858;
Best Local Similarity 42.1%; Pred. No. 0.22; Mismatches 162; Indels 0; Gaps 0;
Matches 118; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1088 AGCTTTCCATAAATAAGTAACCTTTCCTAACCCATAAAATTATTGAA 1147
Db 382 ATNNNTGAAATAAAATANAAATTTTNTAAA 323
Qy 1148 ATCTTCACCACTAGAAAGTAAATTGATCAGGGATGGAATTTTGTACAAGCTA 1207

NUMBER OF SEQ ID NOS: 2

SEQ ID NO 1 LENGTH: 3673778

FEATURE: OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)

NAME/KEY: unsure

LOCATION: (3294164) US-10-312-841-1

Query Match 2.9%; Score 49; DB 15; Length 3673778;

Best Local Similarity 47.0%; Pred. No. 30;

Matches 151; Conservative 0; Mismatches 170; Indels 0; Gaps 0;

QY 1092 TTTTCCATAAAATTAAGTAAATCTTTTGCTAACCAATAAAATTGAAATTCT 1151

DB 2587593 TTATCCCATTTAAATTAAGTAAACCTAAATAATCATTTCCTCAAATAA 2587534

QY 1152 TTCCCAACCTAACGAGAAAGTAAATTGATCAGCGNTGGAAATTGTGACAAGCTAGTTA 1211

DB 2587533 AAAATAAAATTAAATTAAATAAATAAATTTAACTAAACTCTCTCACTTCAC 2587474

QY 1212 TTTCATTGGAGGTGACTGAACTGAACTGATGAACTGATGTTCTGATTTG 1271

DB 2587473 TATCATTTTAAATTAACAAATTAAACATAAAATAAAATCTAAATA 2587414

QY 1272 GATTTGAACTTCTTAGTTAAAGAACAGTATACTAAACAAATAAGAAC 1331

DB 2587413 AAATTAATAAAATAAAACCTAAATAAAATAAAATAAAATAAAATA 2587354

QY 1332 ATTGTTGAAAGGAAATAAAGTTACTGACCCCATGTACAGATGGCCATAATAA 1391

DB 2587353 ACAATAACAATAAAATAACATTAAATAAAATAAAATAAAATAAAATA 2587294

QY 1392 TACTGATAGAGATAGAGCA 1412

DB 2587293 CAAAAATAAAATAAAATAAAATA 2587273

RESULT 7

US-10-433-793-154

Sequence 154, Application US/10433793

Publication No. US200401423341

GENERAL INFORMATION:

APPLICANT: Epigenomics AG

TITLE OF INVENTION: Diagnose von mit Angiogenese assoziierten Krankheiten

CURRENT APPLICATION NUMBER: US/10/433,793

CURRENT FILING DATE: 2003-06-06

NUMBER OF SEQ ID NOS: 212

SEQ ID NO 154 LENGTH: 20933

FEATURE: OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)

US-10-433-793-154

Query Match 2.9%; Score 48.6; DB 17; Length 20933;

Best Local Similarity 56.6%; Pred. No. 2,2;

Matches 90; Conservative 0; Mismatches 69; Indels 0; Gaps 0;

QY 1091 TTTTCCATAAAATTAAGTAAATCTTTTGCTAACCAATAAAATTGAAATCT 1150

DB 1180 TTATTTAAATTAATTAATGATATAATTTTAAGAAAATAGGTAAGATAATATGG 1239

QY 1151 TTCCCAACCTAACGAGAAAGTAAATTGATCAGCGATGGAATAATTGTGACAAAGCTAGTT 1210

DB 1240 TTATATAAGGATAATTTTATAGATGAAATAGTTAAATATTGTTAGTT 1299

QY 1211 ATTTCATTGGAGGTGACTGAACTGATGAACTGATGACTAA 1249

RESULT 8

US-09-938-842A-338/C

Sequence 338, Application US/09938842A

Patent No. US20030160378A1

GENERAL INFORMATION:

APPLICANT: Harper, Jeff

APPLICANT: Kreps, Joel

APPLICANT: Wang, Xun

APPLICANT: Zhu, Tong

TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING FILE REFERENCE: SCRIP1300-3

CURRENT APPLICATION NUMBER: US/09/938, 842A

PRIOR APPLICATION NUMBER: US 60/227, 866

PRIOR FILING DATE: 2000-08-24

PRIOR APPLICATION NUMBER: US 60/264, 647

PRIOR FILING DATE: 2001-01-16

PRIOR APPLICATION NUMBER: US 60/300, 111

PRIOR FILING DATE: 2001-06-22

NUMBER OF SEQ ID NOS: 5379

SEQ ID NO 338

Query Match 2.9%; Score 47.8; DB 9; Length 2958;

Best Local Similarity 50.7%; Pred. No. 1,2;

Matches 115; Conservative 0; Mismatches 112; Indels 0; Gaps 0;

QY 1228 ATCTGAACTTAGTAAAGTACTAACAGAATGAGTTCTGATTTGGATTGAACTTC 1287

DB 410 ATTAGCAACTAGCTAGTAAATAGTTAGTTACAGGGTCTCATC 351

QY 1288 TTAGGTAAACAACTGATACTAACTAACATAAAAGAAACATTTGTGAAAGAGA 1347

DB 350 ATAAATAAAAGGGATAATTAACCTAAATAGCCAAAACACCTAAATAGGAGA 291

QY 1348 AATAAAAGTTACTGGACCCCATGTACAGATGGCCATAATACTGATGAAAGTAG 1407

DB 230 GAAAGGTTTTGGAAATTAGTGAACCTAACTATAACAGACTAACTATAACAGACTT 231

QY 1408 AGCAATGGAAAGTGTACGTGTTACATGGTACAGTTCTGAACTGTTCT 1454

DB 230 AAAACATTCCTTGTGAAAGTTCAACAGTGGAGACACTT 184

RESULT 9

US-09-938-842A-338/C

Sequence 338, Application US/09938842A

Publication No. US/004000947A9

GENERAL INFORMATION:

APPLICANT: Harper, Jeff

APPLICANT: Kreps, Joel

APPLICANT: Wang, Xun

APPLICANT: Zhu, Tong

TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING FILE REFERENCE: SCRIP1300-3

CURRENT APPLICATION NUMBER: US/09/938, 842A

PRIOR APPLICATION NUMBER: US 60/227, 866

PRIOR FILING DATE: 2000-08-24

PRIOR APPLICATION NUMBER: US 60/264, 647

PRIOR FILING DATE: 2001-01-16

PRIOR APPLICATION NUMBER: US 60/300, 111

NUMBER OF SEQ ID NOS: 5379


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; FEATURE: OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; FEATURE: NAME/KEY: unsure
; LOCATION: (6075, 8510, 8516, 8680, 9019, 15666)
US-10-239-676-28

Query Match 2.8%; Score 46.4; DB 15; Length 17848;
Best Local Similarity 45.6%; Pred. No. 6.8;
Matches 164; Conservative 0; Mismatches 196; Indels 0; Gaps 0;
Qy 1088 AGCTTTCCATAAATTAAAGTAATCTTTCGCCTAACCATAAATTATGAAA 1147
Db 10047 AACTTAAAAACATTAAATTAAACCTTAATTATAATTCAAA 9988

Query Match 2.8%; Score 46.4; DB 15; Length 17848;
Best Local Similarity 45.6%; Pred. No. 6.8;
Matches 164; Conservative 0; Mismatches 196; Indels 0; Gaps 0;
Qy 1148 ATCTTCCAACCATAGAAAAGTTAAATTGATCGGATGAAATTTTGACAAGCTA 1207
Db 9987 AAAATAAAATAAAATAAAATATAATTAAATATAAAATTTAAACAA 9928

Query Match 2.8%; Score 46.4; DB 15; Length 17848;
Best Local Similarity 45.6%; Pred. No. 6.8;
Matches 164; Conservative 0; Mismatches 196; Indels 0; Gaps 0;
Qy 1208 GGTATTTCATTGGAGTGTACTGTAACTGAACTAACAGATACTAACAGATGAGTTCTGAT 1267
Db 9927 ATAAATTAATACATAAAATTAAATATAAAATATAAAATTTAACTTAAATT 9868

Query Match 2.8%; Score 46.4; DB 15; Length 17848;
Best Local Similarity 45.6%; Pred. No. 6.8;
Matches 164; Conservative 0; Mismatches 196; Indels 0; Gaps 0;
Qy 1268 TTGGATTGAGCTTTCTTAGGTAAAAACAACTTAACTAACTAAAGAA 1327
Db 9867 TATAAAAAAAATTAACATAATTTTAACTTAAACAA 9808

Query Match 2.8%; Score 46.4; DB 15; Length 17848;
Best Local Similarity 45.6%; Pred. No. 6.8;
Matches 164; Conservative 0; Mismatches 196; Indels 0; Gaps 0;
Qy 1328 AAACATTGTTGAAAGAGAAATAAAGTTACTGACCCCATGTACAGATGGTCCATA 1387
Db 9807 ATTTATAATGAAACAAAAAAATAATTACTAAATAATTATAAAATAATA 9748

Query Match 2.8%; Score 46.4; DB 15; Length 17848;
Best Local Similarity 45.6%; Pred. No. 6.8;
Matches 164; Conservative 0; Mismatches 196; Indels 0; Gaps 0;
Qy 1388 ATTAATCTGATAGAGATAGACCTGAAAGTGTACATGTTACATCGAAAT 1447
Db 9867 TATAAAAAAAATTAACATAATTAACTAAATAAAATAAAATAAA 9808

Query Match 2.8%; Score 46.4; DB 15; Length 17848;
Best Local Similarity 45.6%; Pred. No. 6.8;
Matches 164; Conservative 0; Mismatches 196; Indels 0; Gaps 0;
Qy 1328 AAACATTGTTGAAAGGAAATAAAGTTACTGACCCATTGTACATGGTCCATA 1387
Db 9807 ATTAATTAATGAAACAAAAAAATAATTAACTAAATAAAATAAAATA 9748

Query Match 2.8%; Score 46.4; DB 15; Length 17848;
Best Local Similarity 45.6%; Pred. No. 6.8;
Matches 164; Conservative 0; Mismatches 196; Indels 0; Gaps 0;
Qy 1388 ATTAATCTGATAGAGATAGACCTGAAAGTGTACATGTTACATCGAAAT 1447
Db 9747 AAATCTTACCCATAAAATAATTAACTTAACTAAATAAAACATCCCTAAT 9688

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RESULT 15

US-10-240-453-38/c

; Sequence 38, Application US/10240453

; Publication No. US20030148326A1

GENERAL INFORMATION:

; APPLICANT: OLEK, Alexander

; APPLICANT: PFEPPENROCK, Christian

; APPLICANT: BERLIN, Kurt

; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA

; TITLE OF INVENTION: Transcription

; TITLE OF INVENTION: by Means of Assessing the Methylation Status of Genes Associated

; TITLE OF INVENTION: With DNA Transcription

; FILE REFERENCE: 503.3.1009

; CURRENT APPLICATION NUMBER: US/10/240,453

; CURRENT FILING DATE: 2002-10-02

; PRIOR APPLICATION NUMBER: PCT/EP01/03973

; PRIOR FILING DATE: 2001-04-06

; PRIOR APPLICATION NUMBER: DE 10019058.8

; PRIOR FILING DATE: 2000-04-06

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; PRIOR APPLICATION NUMBER: DE 10032529.7

; PRIOR FILING DATE: 2000-06-30

; PRIOR APPLICATION NUMBER: DE 10043826.1

; PRIOR FILING DATE: 2000-09-01

; NUMBER OF SEQ ID NOS: 350

; SEQ ID NO: 38

; LENGTH: 17848

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (6075, 8510, 8516, 8680, 9019, 15666)

US-10-240-453-38

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OM nucleic - nucleic search, using sw model

Run on: August 7, 2004, 06:55:53 ; Search time 129.376 Seconds
(without alignments)

7193.420 Million cell updates/sec

Title: US-09-938-842A-3729
Perfect score: 1677
Sequence: 1 ggtaaggtttactatg.....tttctctcgtatatttt 1677

Scoring table: OLIGO NUC
Gapop 60.0 , Gapext 60.0

Searched: 682709 seqs, 277475446 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Issued Patents NA:
1: /cgn2_6/ptodata/2/ina/5A COMB.seq:*

2: /cgn2_6/ptodata/2/ina/5B COMB.seq:*

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4: /cgn2_6/ptodata/2/ina/6B COMB.seq:*

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6: /cgn2_6/ptodata/2/ina/backfiles.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
C 1	19	1.1	400	US-08-956-171E-3898
C 2	19	1.1	7563	Sequence 33, Appl
C 3	18	1.1	832	Sequence 6, Appl
C 4	18	1.1	832	Sequence 6, Appl
C 5	18	1.1	876	Sequence 48, Appl
C 6	18	1.1	877	Sequence 72, Appl
C 7	18	1.1	887	Sequence 68, Appl
C 8	18	1.1	1028	Sequence 1, Appl
C 9	18	1.1	1132	Sequence 56, Appl
C 10	18	1.1	1163	Sequence 5, Appl
C 11	18	1.1	1185	Sequence 927, Appl
C 12	18	1.1	1380	Sequence 2115, Appl
C 13	18	1.1	2148	Sequence 2704, Appl
C 14	18	1.1	26223	Sequence 41, Appl
C 15	18	1.1	58073	Sequence 1, Appl
C 16	18	1.1	646681	Sequence 1, Appl
C 17	18	1.1	646681	Sequence 1, Appl
C 18	18	1.1	786431	Sequence 3, Appl
C 19	18	1.1	4433765	Sequence 2, Appl
C 20	18	1.1	4411529	Sequence 1, Appl
C 21	17	1.0	28	Sequence 71, Appl
C 22	17	1.0	28	Sequence 1, Appl
C 23	17	1.0	210	Sequence 2588, Appl
C 24	17	1.0	241	Sequence 400, Appl
C 25	17	1.0	241	Sequence 400, Appl
C 26	17	1.0	241	Sequence 400, Appl
C 27	17	1.0	241	Sequence 400, Appl

ALIGNMENTS

RESULT 1
US-08-956-171E-3898/C
i Sequence No. 3898, Application US/08956171E
i Patent No. 6593114

i GENERAL INFORMATION:
i APPLICANT: Charles Kunsch
i Gil H. Choi
i Patrick S. Dillon
i Craig A. Rosen
i Steven C. Barash
i Michael R. Fenton

i TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
i NUMBER OF SEQUENCES: 5256
i CORRESPONDENCE ADDRESS:
i ADDRESSEE: Human Genome Sciences, Inc.
i STREET: 9410 Key West Avenue
i CITY: Rockville
i STATE: Maryland
i COUNTY: USA
i ZIP: 20850

i COMPUTER READABLE FORM:
i MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
i COMPUTER: HP Vectra 486/33
i OPERATING SYSTEM: MS DOS version 6.2
i SOFTWARE: ASCII Text

i CURRENT APPLICATION DATA:
i APPLICATION NUMBER: US/08/956,171E
i FILING DATE: 20-Oct-1997
i CLASSIFICATION: <Unknown>

i PRIORITY APPLICATION DATA:
i APPLICATION NUMBER: 60/009,861
i FILING DATE: January 5, 1996
i APPLICATION NUMBER: 08/781,986
i FILING DATE: January 3, 1997
i ATTORNEY/AGENT INFORMATION:
i NAME: Mark J. Hyman
i REGISTRATION NUMBER: 46,789
i REFERENCE/DOCKET NUMBER: PB248P1
i TELECOMMUNICATION INFORMATION:
i TELEPHONE: (240) 314-1224
i TELEFAX: (301) 309-9439
i INFORMATION FOR SEQ ID NO: 3898:
i SEQUENCE CHARACTERISTICS:
i LENGTH: 400 base pairs
i TYPE: nucleic acid
i STRANDEDNESS: double
i TOPOLOGY: linear
i SEQUENCE DESCRIPTION: SEQ ID NO: 3898:
i US-08-956-171E-3898

Query Match 1.1%; Score 19; DB 4; Length 400;
 Best Local Similarity 100.0%; Pred. No. 9.2;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 2
 US-08-956-171E-33/C
 ; Patent No. 6593114 Application US/08956171E
 ; GENERAL INFORMATION:
 ; APPLICANT: Charles Kunsch
 ; Gil H. Choi
 ; Patrick S. Dillon
 ; Craig A. Rosen
 ; Steven C. Barash
 ; Michael R. Fannon
 ; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
 ; NUMBER OF SEQUENCES: 5256
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Human Genome Sciences, Inc.
 ; STREET: 9410 Key West Avenue
 ; CITY: Rockville
 ; STATE: Maryland
 ; COUNTRY: USA
 ; ZIP: 20850
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
 ; COMPUTER: HP Vectra 486/33
 ; OPERATING SYSTEM: MS/DOS version 6.2
 ; SOFTWARE: ASCII Text
 ; CURRENT APPLICATION NUMBER: US/08/956,171E
 ; APPLICATION NUMBER: 60/009,861
 ; FILING DATE: January 5, 1996
 ; FILING DATE: January 3, 1997
 ; PRIORITY APPLICATION DATA:
 ; CLASSIFICATION: <unknown>
 ; PRIORITY APPLICATION NUMBER: 60/009,861
 ; FILING DATE: January 5, 1996
 ; APPLICATION NUMBER: 08/781,986
 ; FILING DATE: January 3, 1997
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Mark J. Hyman
 ; REGISTRATION NUMBER: 46,789
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (240) 314-1224
 ; TELEFAX: (301) 309-8439
 ; INFORMATION FOR SEQ ID NO: 33:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 7563 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: double
 ; TOPOLOGY: linear
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 33:
 ; US-08-956-171E-33
 ; Query Match 1.1%; Score 19; DB 4; Length 7563;
 ; Best Local Similarity 100.0%; Pred. No. 9.1;
 ; Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

APPLICANT: Tedder, Thomas F.
 APPLICANT: Kansas, Geoffrey S.
 TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS
 TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION
 NUMBER OF SEQUENCES: 28
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: FISH & NEAVE
 CITY: 1251 Avenue of the Americas
 STATE: New York
 COUNTRY: USA
 ZIP: 10020
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/340,539A
 FILING DATE: 16-NOV-1994
 CLASSIFICATION: 514
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/008,459
 FILING DATE: 25-JAN-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Gunnison, Jane
 REGISTRATION NUMBER: 38,479
 REFERENCE/DOCKET NUMBER: CG-104 CON
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-596-9000
 TELEFAX: 212-596-9090
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 832 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 US-08-340-539A-6

Query Match 1.1%; Score 18; DB 1; Length 832;
 Best Local Similarity 100.0%; Pred. No. 29;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 189 TCTATGCTAAAGAATG 206
 Db 86 TCTATGCTAAAGAATG 103

RESULT 4
 US-08-461-592B-6
 ; Sequence 6, Application US/08461592B
 ; Patent No. 5834425
 ; GENERAL INFORMATION:
 ; APPLICANT: Tedder, Thomas F.
 ; APPLICANT: Kansas, Geoffrey S.
 ; TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS
 ; TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION
 ; NUMBER OF SEQUENCES: 11
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes
 ; STREET: Ten Post Office Square
 ; CITY: Boston
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02109
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/461,592B

RESULT 3
 US-08-340-539A-6
 ; Sequence 6, Application US/0840539A
 ; Patent No. 5808025
 ; GENERAL INFORMATION:

FILING DATE:
 CLASSIFICATION: 514
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/340,539
 FILING DATE: 16-NOV-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/008,459
 FILING DATE: 25-JAN-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: James F. Haley, Jr.
 REFERENCE DOCKET NUMBER: CG-104
 REGISTRATION NUMBER: 27,794
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 596-3000
 TELEFAX: (212) 596-9090
 TELEX: 14-8367

INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 832 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 HYPOTHETICAL: NO
 ANTI-SENSE: NO

US-08-461-592B-6

Query Match 1.1%; Score 18; DB 2; Length 832;
 Best Local Similarity 100.0%; Pred. No. 29;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 189 TCTATGCTTAAGAAATG 206
 Db 86 TCTATGCTTAAGAAATG 103

RESULT 5
 US-09-198-119C-48/C
 Sequence 48, Application US/09198119C
 GENERAL INFORMATION:
 / APPLICANT: Thomashow, Michael
 / STOCKINGER, Eric
 / ATTORNEY: Jaglo-Ottosen, Kirsten
 / ATTORNEY: Gilmour, Sarah
 / ATTORNEY: Zarka, Daniel
 / APPLICANT: Jiang, Cai-Zhong
 / TITLE OF INVENTION: Plant Having Altered Environmental Stress Tolerance
 / CURRENT APPLICATION NUMBER: US/09/198,119C
 / CURRENT FILING DATE: 1998-11-23
 / PRIOR APPLICATION NUMBER: US 08/706,270
 / PRIOR FILING DATE: 1998-09-04
 / PRIOR APPLICATION NUMBER: US 09/018,233
 / PRIOR FILING DATE: 1998-02-03
 / PRIOR APPLICATION NUMBER: US 09/017,816
 / PRIOR FILING DATE: 1998-02-03
 / PRIOR APPLICATION NUMBER: US 09/018,235
 / PRIOR FILING DATE: 1998-02-03
 / PRIOR APPLICATION NUMBER: US 09/017,575
 / PRIOR FILING DATE: 1998-02-03
 / PRIOR APPLICATION NUMBER: US 09/018,227
 / PRIOR FILING DATE: 1998-02-03
 / PRIOR APPLICATION NUMBER: US 09/017,575
 / PRIOR FILING DATE: 1998-02-03
 / NUMBER OF SEQ ID NOS: 95
 / SOFTWARE: PatentIn Ver. 2.0
 / SEQ ID NO: 72
 / LENGTH: 877
 / TYPE: DNA
 / ORGANISM: Brassica oleracea
 / FEATURE:
 / OTHER INFORMATION: boCBF5 gene
 US-09-198-119C-72/C

Query Match 1.1%; Score 18; DB 4; Length 877;
 Best Local Similarity 100.0%; Pred. No. 29;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1364 CCCATTGTACAGATGGT 1381
 Db 815 CCCATTGTACAGATGGT 798

RESULT 7
 US-09-198-119C-68/C
 Sequence 68, Application US/09198119C
 GENERAL INFORMATION:
 / APPLICANT: Thomashow, Michael
 / STOCKINGER, Eric
 / ATTORNEY: Jaglo-Ottosen, Kirsten
 / ATTORNEY: Gilmour, Sarah
 / ATTORNEY: Zarka, Daniel
 / APPLICANT: Jiang, Cai-Zhong
 / TITLE OF INVENTION: Plant Having Altered Environmental Stress Tolerance
 / FILE REFERENCE: 19117.713 Seq List
 / CURRENT APPLICATION NUMBER: US/09/198,119C

Mon Aug 9 13:53:38 2004

CURRENT FILING DATE: 1998-11-23
 PRIORITY APPLICATION NUMBER: US 08/706,270
 PRIORITY FILING DATE: 1998-09-04
 PRIORITY APPLICATION NUMBER: US 09/018,233
 PRIORITY FILING DATE: 1998-02-03
 PRIORITY APPLICATION NUMBER: US 09/017,816
 PRIORITY FILING DATE: 1998-02-03
 PRIORITY APPLICATION NUMBER: US 09/018,235
 PRIORITY FILING DATE: 1998-02-03
 PRIORITY APPLICATION NUMBER: US 09/017,575
 PRIORITY FILING DATE: 1998-02-03
 PRIORITY APPLICATION NUMBER: US 09/018,227
 PRIORITY FILING DATE: 1998-02-03
 PRIORITY APPLICATION NUMBER: US 09/018,234
 PRIORITY FILING DATE: 1998-02-03
 NUMBER OF SEQ ID NOS: 95
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 68
 LENGTH: 887
 FEATURE: DNA
 ORGANISM: *Brassica oleracea*
 OTHER INFORMATION: boCBF3 gene
 US-09-119C-68

Query Match 1.1%; Score 18; DB 4; Length 887;
 Best Local Similarity 100.0%; Pred. No. 29;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1364 CCCCATGTACAGATGT 1381
 Db 822 CCCATGTACAGATGT 805

RESULT 8
 US-09-249-180-1/c
 Sequence 1, Application US/09249160
 PRIORITY APPLICATION NUMBER: US/09249160
 PRIORITY FILING DATE: 1998-02-12
 CURRENT APPLICATION NUMBER: US/09/249,180
 EARLIER APPLICATION NUMBER: 60/076/014
 EARLIER FILING DATE: 1998-02-26
 NUMBER OF SEQ ID NOS: 7
 SOFTWARE: Created in PatentIn Ver. 2.0, Edited in WordPerfect 6.1
 SEQ ID NO 1
 LENGTH: 1028
 FEATURE: DNA
 ORGANISM: *zea mays*
 FEATURE: CDS
 NAME/KEY: misc_feature
 LOCATION: (424)..(693)
 OTHER INFORMATION: Heat Shock Domain
 FEATURE: exon
 LOCATION: (1)..(328)
 FEATURE:
 NAME/KEY: exon
 LOCATION: (329)..(1028)
 FEATURE:
 NAME/KEY: Poly A_site

LOCATION: (1028)..(1028)
 FEATURE:
 NAME/KEY: mRNA
 LOCATION: (1)..(1028)
 FEATURE:
 NAME/KEY: source
 LOCATION: (1)..(1028)
 OTHER INFORMATION: *zea mays* L., Line B73
 FEATURE:
 NAME/KEY: transit_peptide
 LOCATION: (79)..(213)
 FEATURE:
 NAME/KEY: 3'UTR
 LOCATION: (736)..(1028)
 FEATURE:
 NAME/KEY: 5'UTR
 LOCATION: (1)..(78)
 PUBLICATION INFORMATION:
 AUTHORS: Lund, Adrian A.
 AUTHORS: Blum, Paul H.
 AUTHORS: Bhattaramaki, Dinakar
 AUTHORS: Elthon, Thomas E.
 TITLE: Heat Stress Response of Maize Mitochondria
 JOURNAL: Plant Physiol.
 VOLUME: 116
 PAGES: 1097-1110
 DATE: 1998-03-00
 US-09-249-180-1

Query Match 1.1%; Score 18; DB 3; Length 1028;
 Best Local Similarity 100.0%; Pred. No. 29;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1391 ATACTGATAGAGATAGA 1408
 Db 880 ATACTGATAGAGATAGA 863

RESULT 9
 US-09-198-119C-16/c
 Sequence 56, Application US/09198119C
 PRIORITY APPLICATION NUMBER: US/09198119C
 PRIORITY FILING DATE: 1998-11-23
 PRIORITY APPLICATION NUMBER: US 08/641428
 PRIORITY FILING DATE: 1998-09-04
 PRIORITY APPLICATION NUMBER: US 08/706,270
 PRIORITY FILING DATE: 1998-09-14
 PRIORITY APPLICATION NUMBER: US 09/017,575
 PRIORITY FILING DATE: 1998-02-03
 PRIORITY APPLICATION NUMBER: US 09/017,916
 PRIORITY FILING DATE: 1998-02-03
 PRIORITY APPLICATION NUMBER: US 09/018,235
 PRIORITY FILING DATE: 1998-02-03
 PRIORITY APPLICATION NUMBER: US 09/017,575
 PRIORITY FILING DATE: 1998-02-03
 PRIORITY APPLICATION NUMBER: US 09/018,227
 PRIORITY FILING DATE: 1998-02-03
 PRIORITY APPLICATION NUMBER: US 09/018,234
 PRIORITY FILING DATE: 1998-02-03
 NUMBER OF SEQ ID NOS: 95
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 56
 LENGTH: 1132
 TYPE: DNA
 ORGANISM: *Brassica napus*

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; FEATURE:
; OTHER INFORMATION: bncCBF6 gene
; US-09-198-119C-56

Query Match 1.1%; Score 18; DB 4; Length 1132;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1364 CCCCATTTGAGACAGATGGT 1381
Db 851 CCCCATTTGAGACAGATGGT 834

RESULT 1.0
US-09-249-180-5/C

; Sequence 5, Application US/09249180
; Patent No. 6268548
; GENERAL INFORMATION:
; APPLICANT: Elthon, Thomas E
; APPLICANT: Lund, Adrian A
; APPLICANT: Bhatramalaki, Dinakar
; APPLICANT: Rhoads, David M.
; TITLE OF INVENTION: Isolation and Characterization of Heat Shock Protein
; FILE REFERENCE: UNV52819
; CURRENT APPLICATION NUMBER: US/09/249,180
; CURRENT FILING DATE: 1999-02-12
; EARLIER APPLICATION NUMBER: 60/076,014
; EARLIER FILING DATE: 1998-02-26
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Created in PatentIn Ver. 2.0, Edited in WordPerfect 6.1
; SEQ ID NO 5 NOS: 6312
; LENGTH: 1163
; TYPE: DNA
; FEATURE: Zea mays
; NAME/KEY: CDS
; LOCATION: (79) .. (337)
; FEATURE: CDS
; NAME/KEY: CDS
; LOCATION: (447) .. (870)
; FEATURE: exon
; NAME/KEY: exon
; LOCATION: (1) .. (337)
; FEATURE: exon
; NAME/KEY: exon
; LOCATION: (44) .. (1163)
; FEATURE: gene
; NAME/KEY: gene
; LOCATION: (1) .. (1163)
; FEATURE: intron
; NAME/KEY: intron
; LOCATION: (329) .. (463)
; FEATURE: misc feature
; NAME/KEY: misc feature
; LOCATION: (559) .. (828)
; OTHER INFORMATION: Heat Shock Domain
; FEATURE: mRNA
; NAME/KEY: mRNA
; LOCATION: (1) .. (337)
; FEATURE: mRNA
; NAME/KEY: mRNA
; LOCATION: (447) .. (1163)
; FEATURE: Poly A site
; NAME/KEY: Poly A site
; LOCATION: (1163) .. (1163)
; FEATURE: source
; NAME/KEY: source
; OTHER INFORMATION: Zea Mays L., Line B73
; LOCATION: (79) .. (213)
; FEATURE: transit peptide
; LOCATION: (79) .. (213)

; NAME/KEY: 5'UTR
; LOCATION: (1) .. (78)
; FEATURE:
; NAME/KEY: 3'UTR
; LOCATION: (871) .. (1163)
; US-09-249-180-5

Qy 1391 ATACTGATAGAAGATAGA 1408
Db 1015 ATACTGATAGAAGATAGA 998

RESULT 1.1
US-09-134-000C-927/C

; Sequence 927, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 32796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIORITY APPLICATION NUMBER: US 60/055,778
; PRIORITY FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6312
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 927
; LENGTH: 1185
; TYPE: DNA
; ORGANISM: Enterococcus faecalis
; US-09-134-000C-927

Query Match 1.1%; Score 18; DB 4; Length 1185;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 471 TTAACTTTAACCTAA 488
Db 621 TTAACTTTAACCTAA 604

RESULT 1.2
US-09-143-681A-2115

; Sequence 2115, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETTON
; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; FILE REFERENCE: 2209-1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIORITY APPLICATION NUMBER: US 60/128,706
; PRIORITY FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO: 2115
; LENGTH: 1380
; TYPE: DNA
; ORGANISM: Proteus mirabilis
; US-09-143-681A-2115

Query Match 1.1%; Score 18; DB 4; Length 1380;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1131 ATAAATATTATTGAA 1148
Db 1350 ATAAATATTATTGAA 1367

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RESULT 13
US-09-328-352-2704/c
Sequence 2704, Application US/09328352
Patent No. 6562958
GENERAL INFORMATION:
APPLICANT: Gary L. Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: GTCC99-03PA
CURRENT APPLICATION NUMBER: US/09/328,352
CURRENT FILING DATE: 1999-06-04
NUMBER OF SEQ ID NOS: 8252
SEQ ID NO 2704
LENGTH: 2148
TYPE: DNA
ORGANISM: Acinetobacter baumannii
US-09-328-352-2704

Query Match 1.1%; Score 18; DB 4; Length 2148;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 363 ATGAAATGGTATGTGATG 380
Db 1263 ATGAAATGGTATGTGATG 1246

RESULT 14
US-09-596-002-41/c
Sequence 41, Application US/09596002
Patent No. 6632636
GENERAL INFORMATION
APPLICANT: Patterson, Robert, E.
APPLICANT: Patterson, Chanda
APPLICANT: Berg, Kim, L.
TITLE OF INVENTION: NUCLEOTIDE SEQUENCES OF MORAXELLA CATTARRHALIS GENOME
FILE REFERENCE: PM-0008-4 US
CURRENT APPLICATION NUMBER: US/09/596,002
CURRENT FILING DATE: 2000-06-16
PRIOR APPLICATION NUMBER: 60/140,121
PRIOR FILING DATE: 1999-06-18
NUMBER OF SEQ ID NOS: 41
SOFTWARE: PERL Program
SEQ ID NO 41
LENGTH: 269223
TYPE: DNA
ORGANISM: Moraxella cattarrhalis
FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: Incyte template ID No. 6632636 41
PUBLICATION INFORMATION:
US-09-596-002-41

Query Match 1.1%; Score 18; DB 4; Length 269223;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1492 CCGGATCAGAAAGGTTG 1509
Db 23955 CCGGATCAGAAAGGTTG 23938

RESULT 15
US-08-545-528D-1
Sequence 1, Application US/08545528D
Patent No. 653773
GENERAL INFORMATION:
APPLICANT: Fraser et al.
TITLE OF INVENTION: Nucleotide Sequence of the Mycoplasma Genitalium Genome, Fragment
Patent No. 653773
TITLE OF INVENTION: Thereof, and Uses Thereof

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Result	Query	Match	Length	DB	ID	Description	Length	DB ID	Score	No.
1	1677	100.0	1677	9	US-09-918-842A-3729	Sequence 3729, AP	1677	9	9	1
2	1677	100.0	1677	11	US-09-918-842A-3729	Sequence 3729, AP	1677	9	9	2
3	23	1.4	174448	13	US-10-087-192-148	Sequence 148, APP	1677	9	9	3
4	21	1.3	330	10	US-09-030-213-54	Sequence 54, APP	1677	9	9	4
5	21	1.3	394	10	US-09-803-719-707	Sequence 707, APP	1677	9	9	5
6	21	1.3	406	13	US-10-024-591-103891	Sequence 103891, APP	1677	9	9	6
7	21	1.3	407	10	US-09-803-719-1633	Sequence 1633, APP	1677	9	9	7
8	21	1.3	2000	10	US-09-930-213-306	Sequence 306, APP	1677	9	9	8
9	21	1.3	103839	15	US-10-191-807-3	Sequence 3, APP	1677	9	9	9
10	20	1.2	627	13	US-10-027-631-547226	Sequence 547226, APP	1677	9	9	10
11	20	1.2	627	13	US-10-027-631-29129	Sequence 294129, APP	1677	9	9	11
12	20	1.2	627	16	US-10-027-632-54726	Sequence 54726, APP	1677	9	9	12
13	20	1.2	627	16	US-10-027-632-294129	Sequence 294129, APP	1677	9	9	13
14	20	1.2	628	17	US-10-037-632-294129	Sequence 294129, APP	1677	9	9	14


```

; GENERAL INFORMATION:
; APPLICANT: ROSENTHAL, ANDRE
; APPLICANT: HINZMANN, BERND
; APPLICANT: SCHAFER, REINHARD
; APPLICANT: ZUBER, JOHANNES
; APPLICANT: TCHER, NITSE, OLEG
; APPLICANT: GRIPS, MARTIN
; APPLICANT: HELNIGEL, MARTIN
; APPLICANT: SCHMITZ, ANNE-CHANTAL
; APPLICANT: SERS, CHRISTINE
; TITLE OF INVENTION: DETECTION OF DIFFERENTIAL GENE EXPRESSIONS
; FILE REFERENCE: ALBRE-24.
; CURRENT APPLICATION NUMBER: US/09/930,213
; CURRENT FILING DATE: 2001-01-31
; PRIORITY NUMBER: DE 10004102.7
; PRIORITY FILING DATE: 2000-01-31
; NUMBER OF SEQ ID NOS: 885
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 54
; LENGTH: 330
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: modified_base
; NAME/KEY: modified_base
; LOCATION: (4)
; OTHER INFORMATION: a, t, c, g, other or unknown
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (9)
; OTHER INFORMATION: a, t, c, g, other or unknown
; OTHER INFORMATION: a, t, c, g, other or unknown
US -09-930-213-54

Query Match          Score 21;  DB 10;  Length 330;
Best Local Similarity 1.3%;  Prcd. No. 9.5;
Matches 21;  Conservative 0;  Mismatches 0;  Indels 0

Qy      416 TTATCCCTCTGTGTTGGACCC 436
Db      148 TTATCCCTCTGTGTTGGACCC 168

RESULT 5
US -09-803-719-707
; Sequence 707, Application US/09803719
; Publication No. US2003004783A1
; GENERAL INFORMATION:
; APPLICANT: Williams, Lewis T.
; APPLICANT: Escobedo, Jaime
; APPLICANT: Innis, Michael A.
; APPLICANT: Garcia, Pablo Dominguez
; APPLICANT: Sudduth, Klinger, Julie
; APPLICANT: Reinhard, Christoph
; APPLICANT: Giese, Klaus
; APPLICANT: Randazzo, Filippo
; APPLICANT: Kennedy, Giulia C.
; APPLICANT: Pct, David
; APPLICANT: Kassam, Altaf
; APPLICANT: Lamson, George
; APPLICANT: Drmanac, Radivoje
; APPLICANT: Crkvenjakov, Radomir
; APPLICANT: Dickson, Mark
; APPLICANT: Drmanac, Snezana
; APPLICANT: Labat, Ivan
; APPLICANT: Leshkowitz, Dena
; APPLICANT: Kita, David
; APPLICANT: Garcia, Veronica
; APPLICANT: Jones, Lee William
; APPLICANT: Stache-Crain, Birgit
; TITLE OF INVENTION: Human Genes and Gene Products
; FILE REFERENCE: 1624.0002
; CURRENT APPLICATION NUMBER: US/09/803,719
; CURRENT FILING DATE: 2001-03-09
; PRIORITY APPLICATION NUMBER: 60/188,609

```

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; PRIOR FILING DATE: 2000-03-09
; NUMBER OF SEQ ID NOS: 2396
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 707
; LENGTH: 394
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-803-719-707

Query Match          1.3%;  Score 21;  DB 10;  Length 394;
Best Local Similarity 100.0%;  Pred. No. 9.7%;  Mismatches 0;  Indels 0;  Gaps 0;
Matches 21;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

Qy      416 TTAATCCCTCTGTGGTGGACCC 436
Db      49 TTAATCCCTCTGTGGTGGACCC 69

RESULT 6
US-10-424-599-103891
; Sequence 103891, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(5323) B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO: 10891
; LENGTH: 406
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_64830C.1
; US-10-424-599-103891

Query Match          1.3%;  Score 21;  DB 13;  Length 406;
Best Local Similarity 100.0%;  Pred. No. 9.8%;  Mismatches 0;  Indels 0;  Gaps 0;
Matches 21;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

Qy      11139 TTAATGAAATCTTCCAAAC 1159
Db      254 TTAATGAAATCTTCCAAAC 274

RESULT 7
US-09-803-719-1633
; Sequence 1633, Application US/09803719
; Publication No. US20030044783A1
; GENERAL INFORMATION:
; APPLICANT: Williams, Lewis T.
; APPLICANT: Escobedo, Jaime A.
; APPLICANT: Innis, Michael A.
; APPLICANT: Garcia, Pablo Dominguez
; APPLICANT: Suduth Klinger, Julie
; APPLICANT: Reinhard, Christoph
; APPLICANT: Giess, Klaus
; APPLICANT: Randazzo, Filippo
; APPLICANT: Kennedy, Giulia C.
; APPLICANT: Pot, David
; APPLICANT: Kassam, Al
; APPLICANT: Lamson, George
; APPLICANT: Dumanac, Radone
; APPLICANT: Crikvenjakov, Radomir
; APPLICANT: Dickson, Mark
; APPLICANT: Dumanac, Snezana
; APPLICANT: Labat, Ivan
; APPLICANT: Lesikowikoff, Dena


```

```

; APPLICANT: Kita, David
; APPLICANT: Garcia, Veronica
; APPLICANT: Jones, Lee William
; APPLICANT: Stache Crain, Birgit
; TITLE OF INVENTION: Human Genes and Gene Products
; FILE REFERENCE: 1624.002
; CURRENT APPLICATION NUMBER: US/09/803,719
; CURRENT FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 60/188,609
; PRIOR FILING DATE: 2000-03-09
; NUMBER OF SEQ ID NOS: 2396
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1633
; LENGTH: 407
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-803-719-1633

Query Match 1.3%; Score 21; DB 10; Length 407;
Best Local Similarity 100.0%; Pred. No. 9.8;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 416 TATCCCTCTGTGGACCC 436
Db 195 TATCCCTCTGTGGACCC 215

RESULT 8
US-09-90-213-306
Sequence 306, Application US/09930213
Publication No. US20030170625A1
GENERAL INFORMATION:
; APPLICANT: ROSENTHAL, ANDRE
; APPLICANT: HINZMANN, BERND
; APPLICANT: SCHAFER, REINHARD
; APPLICANT: ZUBER, JOHANNES
; APPLICANT: TCHE-NITSE, OLEG
; APPLICANT: GRIPS, MARTIN
; APPLICANT: HELLNEGBL, MARTIN
; APPLICANT: SCHMITZ, ANNE-CHANTAL
; APPLICANT: SERS, CHRISTINE
TITLE OF INVENTION: DETECTION OF DIFFERENTIAL GENE EXPRESSIONS
FILE REFERENCE: ALBRE-14
CURRENT APPLICATION NUMBER: US/09/930,213
CURRENT FILING DATE: 2001-01-31
PRIOR APPLICATION NUMBER: DE 10004102.7
PRIOR FILING DATE: 2000-01-31
NUMBER OF SEQ ID NOS: 885
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 306
LENGTH: 2000
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-930-213-306

Query Match 1.3%; Score 21; DB 10; Length 2000;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 416 TATCCCTCTGTGGACCC 436
Db 885 TATCCCTCTGTGGACCC 905

RESULT 9
US-10-191-807-3/c
Sequence 3, Application US/10191807
Publication No. US20030068691A1
GENERAL INFORMATION:
; APPLICANT: HU, Song et al.
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS, AND NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND USES THEREOF
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS, AND NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND USES THEREOF

; FILE REFERENCE: CLO01275-PROV
; CURRENT APPLICATION NUMBER: US/10/191,807
; CURRENT FILING DATE: 2002-07-10
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 108359
; TYPE: DNA
; ORGANISM: Human
; FEATURE;
; NAME/KEY: misc_feature
; LOCATION: (1) ..(108359)
; OTHER INFORMATION: n = A,T,C or G
US-10-191-807-3

Query Match 1.3%; Score 21; DB 15; Length 108359;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 240 TAAATGTTGTAAGAAATA 260
Db 75869 TAAATGTTGTAAGAAATA 75849

RESULT 10
US-10-027-632-54726/c
Sequence 54726, Application US/10027632
Publication No. US2002019837A1
GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,092
; PRIOR FILING DATE: 1999-08-19
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 54726
; LENGTH: 627
; TYPE: DNA
; ORGANISM: Human
; FEATURE;
; NAME/KEY: misc_feature
; LOCATION: (1) ..(627)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-54726

Query Match 1.2%; Score 20; DB 13; Length 627;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1134 AAAATATTGAAATCTTT 1153
Db 508 AAAATATTGAAATCTTT 489

RESULT 11
US-10-027-632-294129/c
Sequence 294129, Application US/10027632

```

```

Publication No. US20020198371A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,066
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 294129
TYPE: DNA
ORGANISM: Human
FEATURE: misc_feature
NAME/KEY: misc_feature
LOCATION: (1) .(627)
OTHER INFORMATION: n = A,T,C or G
US-10-027-632-294129

Query Match 1.2%; Score 20; DB 13; Length 627;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 20; Conservative 0; Mismatches 0;
Indels 0; Gaps 0;

Qy 1134 AAAATATTGAAATCTT 1153
Db 508 AAAATATTGAAATCTT 489

RESULT 13
US-10-027-632-294129/c
Sequence 294129, Application US/10027632
Publication No. US20030204075A9
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR APPLICATION NUMBER: US 60/218,066
PRIOR FILING DATE: 2000-07-12
PRIOR APPLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR FILING DATE: 1999-09-28
PRIOR APPLICATION NUMBER: US 60/146,002
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 294129
LENGTH: 627
TYPE: DNA
ORGANISM: Human
FEATURE: misc_feature
NAME/KEY: misc_feature
LOCATION: (1) .(627)
OTHER INFORMATION: n = A,T,C or G
US-10-027-632-294129

Query Match 1.2%; Score 20; DB 16; Length 627;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 20; Conservative 0; Mismatches 0;
Indels 0; Gaps 0;

Qy 1134 AAAATATTGAAATCTT 1153
Db 508 AAAATATTGAAATCTT 489

RESULT 14
US-10-027-632-294129/c
Sequence 294129, Application US/10027632
Publication No. US20030204075A9
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovacic, David K.
APPLICANT: Zhou, Yihue
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.

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APPLICANT: Barbazuk, Brad
 APPLICANT: Li, Ping
 TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with Plants and Uses Thereof for Plant Improvement
 FILE REFERENCE: 38-21 (5221) B
 CURRENT APPLICATION NUMBER: US/10/437,963
 CURRENT FILING DATE: 2003-05-14
 NUMBER OF SEQ ID NOS: 204966
 SEQ ID NO 9063
 LENGTH: 628
 TYPE: DNA
 ORGANISM: Oryza sativa
 FEATURE:
 OTHER INFORMATION: Clone ID: PAT_MRT4530_15514C.1
 US-10-337-963-9063

Query Match 1.2%; Score 20; DB 17; Length 628;
 Best Local Similarity 100.0%; Pred. No. 33; Mismatches 0; Indels 0; Gaps 0;
 Matches 20; Conservative 0; Gaps 0;

Qy 1154 CCAACCATAGAAAAAGTTAA 1173
 Db 297 CCAACCATAGAAAAAGTTAA 316

RESULT 15
 US-09-815-242-9987/c
 Sequence 9987, Application US/09815242
 Patent No. US20020061569A1
 GENERAL INFORMATION:
 APPLICANT: Haselbeck, Robert
 APPLICANT: Ohlsen, Kari L.
 APPLICANT: Zyskind, Judith W.
 APPLICANT: Wall, Daniel
 APPLICANT: Trawick, John D.
 APPLICANT: Carr, Grant J.
 APPLICANT: Yamamoto, Robert T.
 APPLICANT: Xu, H. Howard
 TITLE OF INVENTION: Identification of Essential Genes in Prokaryotes
 FILE REFERENCE: ELITRA.011A
 CURRENT APPLICATION NUMBER: US/09/815,242
 CURRENT FILING DATE: 2001-03-21
 PRIOR APPLICATION NUMBER: 60/191,078
 PRIOR FILING DATE: 2000-03-21
 PRIOR APPLICATION NUMBER: 60/206,848
 PRIOR FILING DATE: 2000-05-23
 PRIOR APPLICATION NUMBER: 60/207,727
 PRIOR APPLICATION NUMBER: 60/242,578
 PRIOR FILING DATE: 2000-10-23
 PRIOR APPLICATION NUMBER: 60/253,625
 PRIOR FILING DATE: 2000-11-27
 PRIOR APPLICATION NUMBER: 60/257,931
 PRIOR APPLICATION NUMBER: 60/269,308
 PRIOR FILING DATE: 2001-02-16
 NUMBER OF SEQ ID NOS: 14110
 SOFTWARE: fastSEQ for Windows Version 4.0
 SEQ ID NO 9987
 LENGTH: 768

TYPE: DNA
 ORGANISM: Salmonella typhi

FEATURE:
 NAME/KEY: CDS
 LOCATION: (1) . . . (768)

Query Match 1.2%; Score 20; DB 9; Length 768;
 Best Local Similarity 100.0%; Pred. No. 34;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1249 ACCGAATGAGTTCTGATT 1268

Db 332 ||||||| ACCGAATGAGTTCTGATT 313
 Search completed: August 7, 2004, 13:44:10
 Job time : 807.325 secs

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